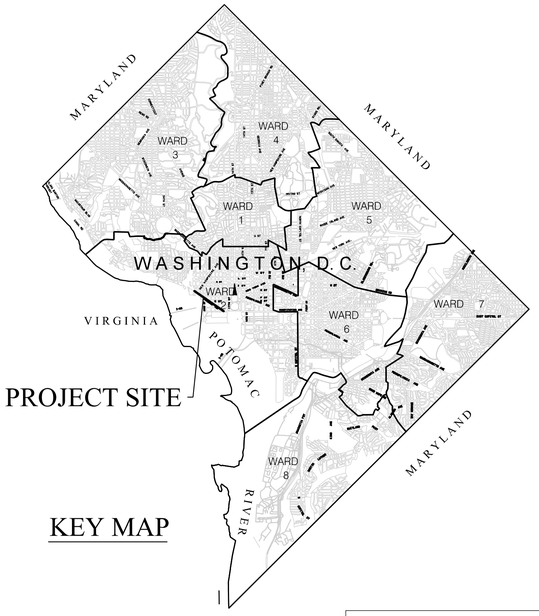
REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	D.C.	2016035	01	65

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION

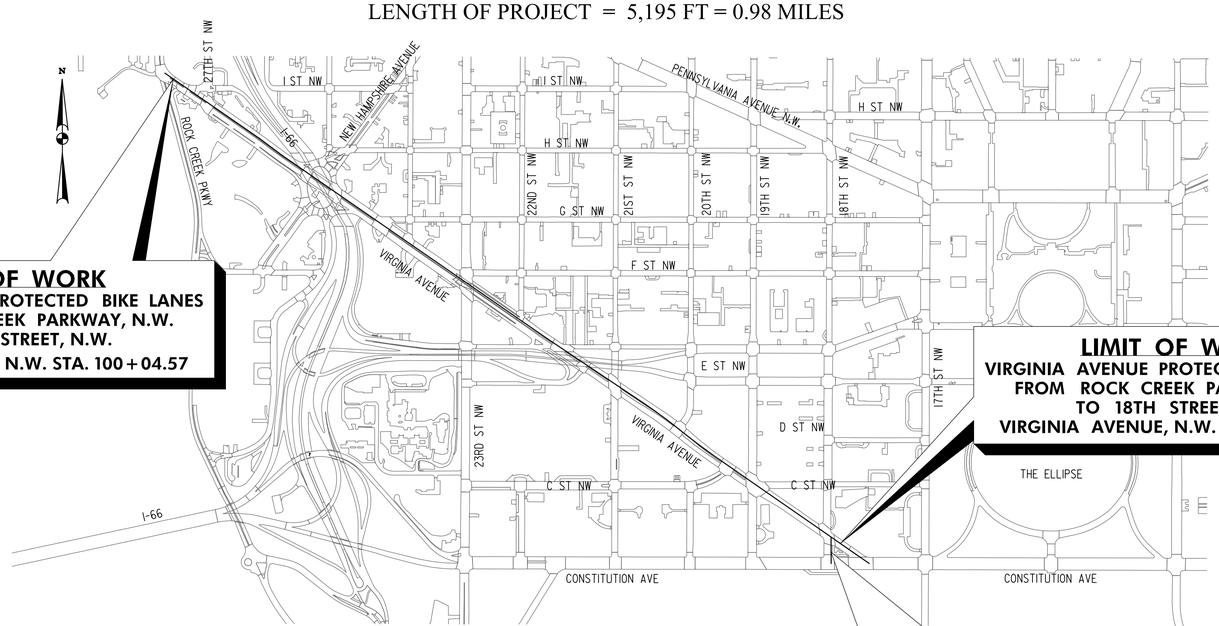
PLANS OF PROPOSED

VIRGINIA AVENUE, NW

BIKE LANES PROJECT
FROM ROCK CREEK PARKWAY TO 18TH ST, N.W.
LENGTH OF PROJECT = 5,195 FT = 0.98 MILES



KEY MAP



LOCATION MAP

250′ 0 250′ 500′
SCALE : 1" = 500'-0"

LIMIT OF WORK
VIRGINIA AVENUE PROTECTED BIKE LANES
FROM ROCK CREEK PARKWAY, N.W.
TO 18TH STREET, N.W.
VIRGINIA AVENUE, N.W. STA. 100+04.57

LIMIT OF WORK
VIRGINIA AVENUE PROTECTED BIKE LANES
FROM ROCK CREEK PARKWAY, N.W.
TO 18TH STREET, N.W.
VIRGINIA AVENUE, N.W. STA. 154+33.59

LIMIT OF WORK
VIRGINIA AVENUE PROTECTED BIKE LANES
FROM ROCK CREEK PARKWAY, N.W.
TO 18TH STREET, N.W.
18TH STREET, N.W. STA. 200+75.02

TRAFFIC DATA	ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY
	VIRGINIA AVENUE NW	ROCK CREEK PKWY	20TH STREET, N.W.	21ST STREET, N.W.	G STREET, N.W.	18TH STREET, N.W.
CONTROL OF ACCESS	NONE	NONE	NONE	NONE	NONE	NONE
ADT (2018)	16,000	52,200	8,500	7,250	4,400	8,000
POSTED SPEED	25 MPH	35 MPH NORTH	25 MPH	25 MPH	25 MPH	25 MPH
DESIGN SPEED	25 MPH	25 MPH SOUTH	25 MPH	25 MPH	25 MPH	25 MPH
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL	MINOR ARTERIAL	MINOR ARTERIAL	COLLECTOR	COLLECTOR	MINOR ARTERIAL

TRAFFIC DATA	ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY
	19TH STREET, N.W.	C STREET, N.W.	E STREET, N.W.	24TH STREET, N.W.	NEW HAMPSHIRE AVENUE NW	27TH STREET, N.W.
CONTROL OF ACCESS	NONE	NONE	NONE	NONE	NONE	NONE
ADT (2018)	9,600	2,650	13,250	3,750	7,900	N/A
POSTED SPEED	25 MPH	25 MPH	25 MPH	25 MPH	25 MPH	25 MPH
DESIGN SPEED	25 MPH	25 MPH	25 MPH	25 MPH	25 MPH	25 MPH
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL	COLLECTOR	COLLECTOR	COLLECTOR	COLLECTOR	MINOR ARTERIAL

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MARCH 30, 2021

601 NEW JERSEY AVE, NW, SUITE 210
WASHINGTON, DC 20001-1401
202-289-8491 WWW.JMT.COM

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL:

DESIGN ENGINEER, TRAFFIC ENGINEERING AND SIGNALS DIVISION

PROGRAM MANAGER, TRAFFIC ENGINEERING AND SIGNALS DIVISION

APPROVED:

CHIEF, TRAFFIC ENGINEERING AND SIGNALS DIVISION

DATE: _____

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	02	65

INDEX OF SHEETS

100% SUBMISSION
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MARCH 30, 2021

NO	DESCRIPTION	NAME	DATE

REVISIONS

G–02

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

INDEX OF SHEETS

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF

DATE ____
FILE ____
SHEET 02 OF 65

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REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	03	65

ABBREVIATIONS

ABAND.	ABANDONED
AC	ASPHALT CONCRETE
ADA	AMERICAN DISABILITIES ACT
ADT	AVERAGE DAILY TRAFFIC
APPROX.	APPROXIMATE
ASPH.	ASPHALT
AVE	AVENUE
℄	BASELINE
BLDG.	BUILDING
B.M.	BENCH MARK
CATV	CABLE TELEVISION
CB	CATCH BASIN
C.C.	CENTER TO CENTER
CEN.	CENTER
CIP	CAST IN PLACE/CAST IRON PIPE
C.J.	CONSTRUCTION JOINT
℄	CENTERLINE
CL	CLASS
C.O.	CLEAN OUT
COMM.	COMMUNICATION
CONC.	CONCRETE
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CS	COMBINED SEWER
CY	CUBIC YARDS
D	DEGREE OF CURVE
D.C.	DISTRICT OF COLUMBIA
DDOT	DISTRICT DEPARTMENT OF TRANSPORTATION
DESC.	DESCRIPTION
DET.	DETAIL
DIA.	DIAMETER
DIP	DUCTILE IRON PIPE
DOH	DEPARTMENT OF HEALTH
DWG.	DRAWING
E & S	EROSION AND SEDIMENT
EA.	EACH
EB/EBR	EASTBOUND ROADWAY
ELEC.	ELECTRIC
ELEV./EL.	ELEVATION
EQ.	EQUAL
EX., EXIST.	EXISTING
EXP., EXPAN.	EXPANSION
FIN.	FINISHED
F.H.	FIRE HYDRANT
FO	FIBER OPTIC
FT	FEET/FOOT
G	GAS LINE
GV	GAS VALVE
GHC	GAS HOUSE CONNECTION
HH	HANDHOLE
HMA	HOT MIX ASPHALT
HORIZ.	HORIZONTAL
HT.	HEIGHT
INV.	INVERT
I.P.	INLET PROTECTION
I.S.T.	INLET SEDIMENT TRAP
J.B.	JUNCTION BOX
JT.	JOINT
LB	POUND
L.F.	LINEAR FEET
LP	LIGHT POLE
L.P.	LOW POINT
LT	LEFT
LTG.	LIGHTING
MAC.	MACADAM
MAX.	MAXIMUM
MED.	MEDIAN
M.H.	MANHOLE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
mm	MILLIMETER
MPH	MILES PER HOUR
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N	NORTH
N.A.	NOT AVAILABLE, NOT APPLICABLE
NB/NBR	NORTHBOUND ROADWAY
N.E.	NORTHEAST
NO.	NUMBER
N.T.S.	NOT TO SCALE
N.W.	NORTHWEST
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFF	OFFSET
OH ELEC	OVERHEAD ELECTRIC
PAVT.	PAVEMENT
PC	POINT OF CURVE
P.C.C.	POINT OF COMPOUND CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PED.	PEDESTRIAN
P.G.E.	PROFILE GROUND ELEVATION
P/GE	PROFILE GRADE ELEVATION
P.G.L.	PROFILE GRADE LINE
P/GL	PROFILE GROUND LINE
PI	POINT OF INTERSECTION
PLA-HP	PLASTIC HIGH PRESSURE
POI	POINT OF INTERSECTION
POT	POINT ON TANGENT
P/R	POINT OF ROTATION
P.R.C.	POINT OF REVERSE CURVATURE
PROP.	PROPOSED
PT	POINT OF TANGENCY
PT.	POINT
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
R & C	REBAR AND CAP
RCP/RCPR	REINFORCED CONCRETE PIPE W/ RUBBER GASKET JOINTS
RD	ROAD
REF.	REFERENCE
RET.	RETAINING
R.O.W.	RIGHT OF WAY
RT	RIGHT
SAN	SANITARY/SEWER LINE
SB/SBR	SOUTHBOUND ROADWAY
SCH	SCHEDULE
S.D.	STORM DRAIN
S/E	SUPERELEVATION
SE	SOUTHEAST
SECT.	SECTION
SF	SQUARE FOOT
SHLD	SHOULDER
SHT.	SHEET
S.P.	SIGNAL POLE
SIG.	SIGNAL
SPA.	SPACES
SQ.	SQUARE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STA.	STATION
STD.	STANDARD
SW	STORM WATER
SWM	STORM WATER MANAGEMENT
SY	SQUARE YARD
TB	THRUST BLOCK
TELE	TELEPHONE LINE
TEMP.	TEMPORARY
T.G.	TOP OF GRATE
THRU	THROUGH
TOA	TRANSPORTATION OPERATIONS ADMINISTRATION
T.R.	TOP OF RIM
TRANS.	TRANSITION, TRANSFORMER
TRAV.	TRAVERSE
TTCTA	TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION
TYP.	TYPICAL
TY.	TYPE
U.D.	UNDERDRAIN PIPE
UG	UNDERGROUND
UNK	UNKNOWN
U.P.	UTILITY POLE
UTIL.	UTILITY
VAR.	VARIES/VARIABLE
V.C.	VERTICAL CURVE
V.C.L.	VERTICAL CURVE LENGTH
VERT.	VERTICAL
W	WATER LINE, WEST
W/	WITH
WB/WBR	WESTBOUND ROADWAY
WHC	WATER HOUSE CONNECTION
W/L	WEDGE AND/OR LEVEL
WM	WATER METER
W.P.	WORKING POINT
WQ	WATER QUALITY
WRPD	WRAPPED
WV	WATER VALVE

SYMBOLS

EXISTING SANITARY SEWER MANHOLE

EXISTING STORM DRAIN MANHOLE

EXISTING WATER MANHOLE

EXISTING TELEPHONE, ELECTRIC MANHOLE, COMMUNICATIONS, FIBER OPTIC

EXISTING UNKNOWN MANHOLE

EXISTING WATER METER

EXISTING WATER VALVE OR CUT-OFF

EXISTING SANITARY SEWER CLEANOUT

EXISTING GAS VALVE, CUT-OFF, OR METER

PROPOSED SANITARY SEWER, STORMDRAIN, WATER MANHOLE

EXISTING FIRE HYDRANT

PROPOSED FIRE HYDRANT

PROPOSED WATER VALVE, GATE VALVE

PROPOSED UNDERDRAIN

EXISTING SINGLE CATCH BASIN

EXISTING DOUBLE CATCH BASIN

PROPOSED SINGLE CATCH BASIN

PROPOSED DOUBLE CATCH BASIN

PROPOSED SINGLE CATCH BASIN WITH GRATE

PROPOSED DOUBLE CATCH BASIN WITH GRATE

EXISTING SANITARY SEWER, COMBINED SEWER, STORMDRAIN, WATER LINE LESS THAN 24"

EXISTING SANITARY SEWER, COMBINED SEWER, STORMDRAIN, WATER LINE 24" OR GREATER

EXISTING UNDERGROUND GAS, TELEPHONE, ELECTRIC LINE

EXISTING UNDERGROUND UTILITY, ANY SIZE (DESIGNATED)

PROPOSED STORMDRAIN WITH DIRECTION OF FLOW, LESS THAN 24"

PROPOSED STORMDRAIN WITH DIRECTION OF FLOW, 24" OR GREATER

PROPOSED LIMIT OF REPAIR WORK

EXISTING BUSH OR SHRUB

EXISTING HEDGEROW

EXISTING DECIDUOUS TREE, EVERGREEN TREE

DIRECTION OF TRAFFIC

PARKING LANE/PEAK HOUR TRAVEL LANE

EXISTING SIGN AND POST

PROPOSED SIGN AND POST

EXISTING WHEELCHAIR/BICYCLE RAMP

PROPOSED WHEELCHAIR/BICYCLE RAMP

MAIL BOX

LOCATION OF TEXT BORING WITH NUMBER

LOCATION OF TEST PIT WITH NUMBER

TRIANGULATION OR CONTROL POINT

STATION EQUATION

REVISION WITH NUMBER

RIGHT-OF-WAY LINE

EXISTING FENCE

EXISTING GUARDRAIL - SINGLE FACE

PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POSTS

PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE)

TRENCH DRAIN OR STEEL PLATE

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

PROPOSED MILL AND OVERLAY

NOTE:
OTHER SYMBOLS USED IN THE PLAN SET WILL BE SHOWN IN A LEGEND ON THE APPROPRIATE PLAN SHEET(S).

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO	DESCRIPTION	NAME	DATE

REVISIONS

G–03

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

STANDARD SYMBOLS AND ABBREVIATIONS

DIVISION CHIEF
DATE ____
FILE ____
SHEET 03 OF 65

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REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	04	65

GENERAL NOTES & SPECIFICATIONS

SPECIFICATIONS

THE DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES, 2013 AND SUPPLEMENTS INCLUDING, BUT NOT LIMITED TO, THE 2014 GREEN INFRASTRUCTURE STANDARDS - SUPPLEMENT TO STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES.

TOPOGRAPHY AND SURVEYS

BASE INFORMATION SHOWN ON THESE PLANS WAS DEVELOPED FROM DDOT GIS INFORMATION PUBLISHED ON THE DC OPEN DATA SITE AND SUPPLEMENTED BY FIELD MEASUREMENTS COMPLETED BY

JOHNSON, MIRMIRAN, AND THOMPSON, INC.,

NO VERTICAL DATA IS REPRESENTED ON THESE PLANS.

COORDINATES ARE BASED ON MARYLAND STATE PLANE COORDINATE SYSTEM NAD 83/91.

SCOPE OF WORK

THE CONTRACT INCLUDES:
SIGNING, PAVEMENT WIDENING, CURB AND SIDEWALK CONSTRUCTION, PAVEMENT MARKINGS, SIGNALS, PAVING, CYCLE TRACK INSTALLATION, AND MAINTENANCE OF TRAFFIC.

VERIFICATION OF DIMENSIONS AND ELEVATIONS

THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL PLAN DIMENSIONS PRIOR TO ORDERING MATERIALS FOR THE CONSTRUCTION OF VARIOUS ITEMS ON THE PROJECT.

COORDINATION WITH OTHER CONTRACTORS

THE CONTRACTOR IS HEREBY INFORMED THAT OTHER CONTRACTORS MAY BE WORKING IN THE AREA. THE CONTRACTOR SHALL COORDINATE MAINTENANCE OF TRAFFIC, SIGNING, AND OTHER ACTIVITIES WITH ADJACENT CONTRACTORS TO AVOID ANY CONFLICT.

UTILITIES

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH UTILITY OWNERS AND CONFIRM AVOIDANCE. CONTRACTOR SHALL SEQUENCE WORK TO AVOID UTILITY CONFLICTS.

IF A UTILITY IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COR AND THE OWNER OF SAID UTILITY. ANY DAMAGE SUSTAINED TO THE UTILITIES ABOVE OR BELOW GROUND SHALL BE REPAIRED BY OR UNDER THE DIRECTION OF THE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACK FILL AN EXCAVATION AFFECTING SAID UTILITY WITHOUT FIRST RECEIVING PERMISSION FROM THE UTILITY OWNER.

EXISTING UTILITIES ARE NOT SHOWN ON THE CONTRACT PLANS. THE CONTRACTOR SHALL IDENTIFY THE PRESENCE AND LOCATION OF ALL UTILITIES THROUGHOUT THE JOBSITE INCLUDING ELECTRICAL, COMMUNICATIONS, GAS, SANITARY, WATER, STORM, LIGHTING, ETC. CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY AT 1-800-257-7777 PRIOR TO BEGINNING WORK. PRIOR TO CONSTRUCTION, UTILITY LOCATION AND TEST PITTING MUST BE PERFORMED BY THE CONTRACTOR TO IDENTIFY LOCATION OF UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL UTILITIES DURING CONSTRUCTION. ANY DAMAGE INCURRED TO UTILITIES MUST BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR IS ADVISED THAT WMATA IS NOT PART OF THE MISS UTILITY ONE-CALL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING WMATA TO LOCATE THE FACILITIES.

THE ABOVE PRECAUTIONS SHALL NOT BE MEASURED OR QUANTIFIED IN ANY WAY FOR PAYMENT. THESE EFFORTS SHALL BE INCIDENTAL TO THE ITEMS OF WORK AND AT NO ADDITIONAL COST TO DDOT.

SPECIAL NOTES

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IF THE INFORMATION GIVEN IN THESE PLANS IS DIFFERENT FROM THAT FOUND IN THE FIELD.
2. TREE IMPACTS AND TREE PROTECTION REQUIREMENTS ARE NOT ANTICIPATED AS PART OF THIS PROJECT. IF REQUIRED, ALL TREE CARE ACTIVITIES SHALL BE SUPERVISED AND/OR PERFORMED BY THE PROJECT ARBORIST, AND SHALL BE COORDINATED WITH THE CHIEF ENGINEER, AND THE CONTRACTOR, AS DESCRIBED IN THE PROJECT SPECIAL PROVISIONS.
3. ALL MATERIAL REMOVED AND NOT REUSED IN THE CONSTRUCTION OF THIS PROJECT SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF BY THE CONTRACTOR.
4. EXISTING SIGNS SHALL BE MAINTAINED PRIOR TO FINAL SIGNING INSTALLATION. ANY EXISTING SIGNS DAMAGED OR REMOVED PRIOR TO FINAL SIGNING INSTALLATION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNERS TO ENSURE THAT ACCESS TO ADJACENT PROPERTIES IS MAINTAINED AT ALL TIMES.
6. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL EXCESS FILL, SPOIL MATERIAL, DEBRIS, AND CONSTRUCTION MATERIAL SHALL BE DISPOSED OF OUTSIDE OF NONTIDAL WETLANDS, NONTIDAL WETLANDS BUFFERS, AND THE 100-YEAR FLOODPLAIN, AND IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF NONTIDAL WETLANDS.
7. WHERE BIKE LANE DROPS TO 4', A MINIMUM OF 6" CLEARANCE SHOULD BE PROVIDED BETWEEN BIKE LANE AND ADJACENT SIGNS.

G–04

100% SUBMISSION
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MARCH 30, 2021

NO	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

GENERAL NOTES

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF

DATE ____
FILE ____
SHEET 04 OF 65

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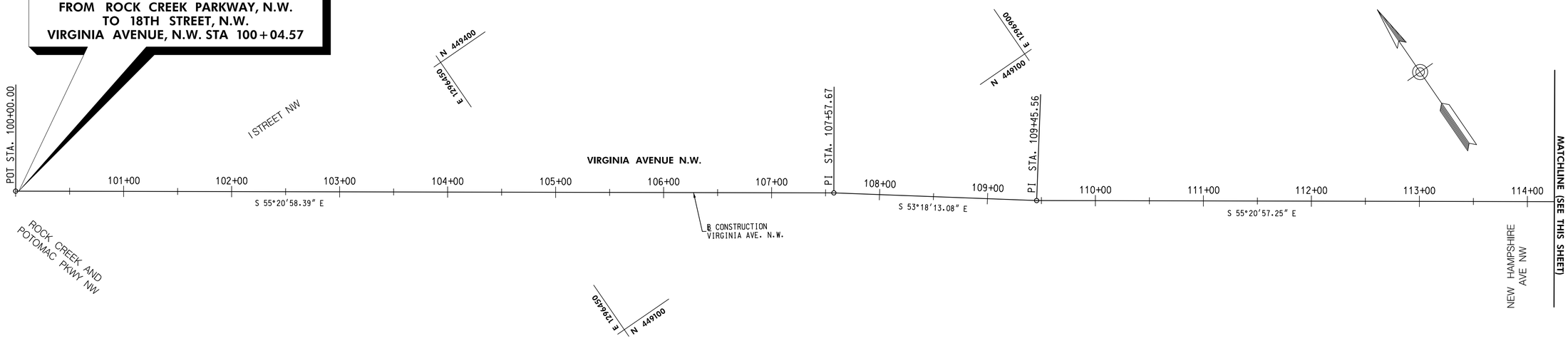
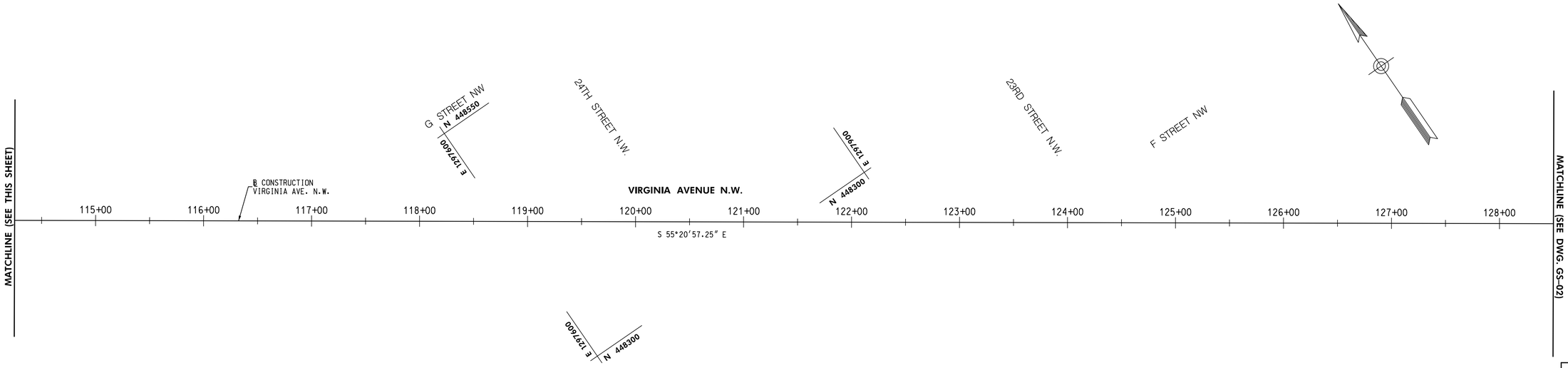
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	05	65

LIMIT OF WORK
VIRGINIA AVENUE, N.W.
FROM ROCK CREEK PARKWAY, N.W.
TO 18TH STREET, N.W.
VIRGINIA AVENUE, N.W. STA 100+04.57





BASELINE CONTROL COORDINATES			
LOCATION	**STATION**	**NORTHING**	**EASTING**
VIRGINIA AVE. N.W.	**P.O.T. STA. 100+00.00**	**449,525.0269**	**1,296,058.3087**
	P.I. STA. 107+57.67	**449,094.0238**	**1,296,681.5979**
	P.I. STA. 109+45.56	**448,981.9592**	**1,296,832.2515**
	P.I. STA. 130+83.82	**447,776.2072**	**1,298,591.2479**

NOTE:

COORDINATES ARE BASED ON THE MARYLAND STATE PLANE. ELEVATIONS ARE BASED ON THE D.C. DATUM.

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

GS–01

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

GEOMETRIC LAYOUT PLAN

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF
DATE ____
FILE ____
SHEET 05 OF 65

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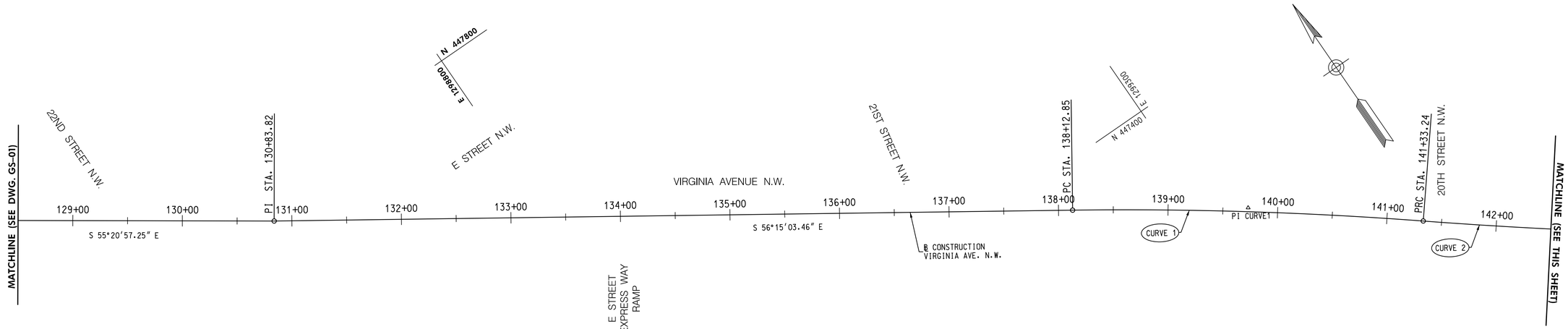
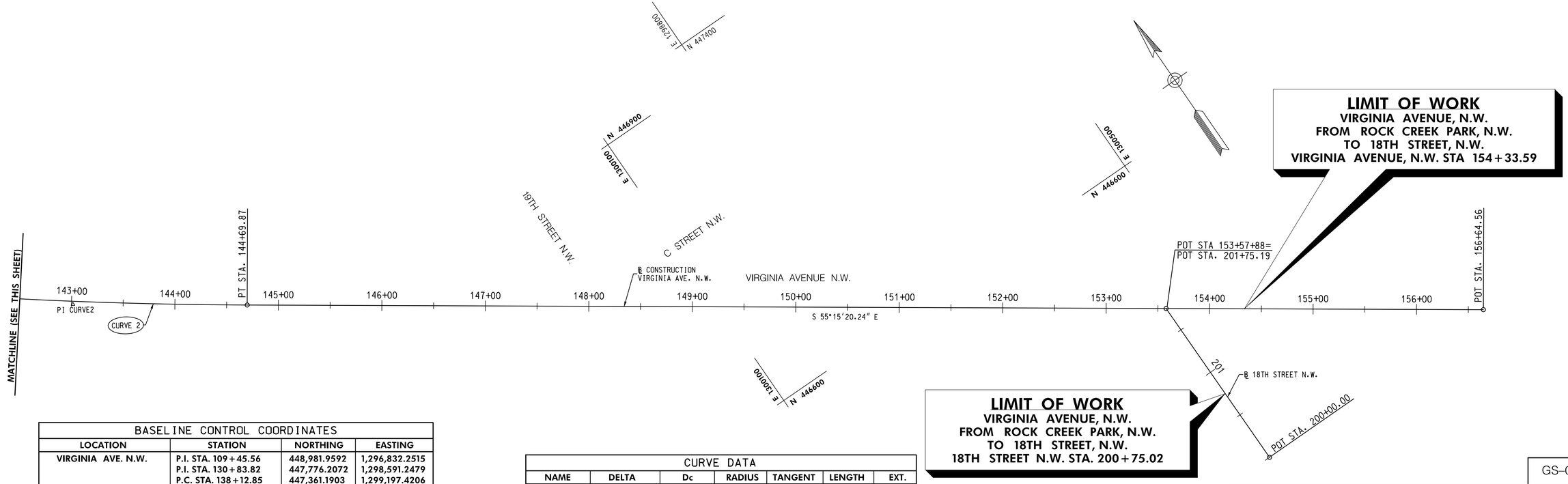
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	06	65





LIMIT OF WORK
VIRGINIA AVENUE, N.W.
FROM ROCK CREEK PARK, N.W.
TO 18TH STREET, N.W.
VIRGINIA AVENUE, N.W. STA 154+33.59

LIMIT OF WORK
VIRGINIA AVENUE, N.W.
FROM ROCK CREEK PARK, N.W.
TO 18TH STREET, N.W.
18TH STREET N.W. STA. 200+75.02

BASELINE CONTROL COORDINATES			
LOCATION	**STATION**	**NORTHING**	**EASTING**
VIRGINIA AVE. N.W.	**P.I. STA. 109+45.56**	**448,981.9592**	**1,296,832.2515**
	P.I. STA. 130+83.82	**447,776.2072**	**1,298,591.2479**
	P.C. STA. 138+12.85	**447,361.1903**	**1,299,197.4206**
	P.I. CURVE 1	**447,272.1342**	**1,299,330.7074**
	C.C.	**447,367.8662**	**1,297,197.4179**
	P.R.C. STA. 141+33.24	**447,171.5839**	**1,299,455.5514**
	P.I. CURVE 2	**447,065.9588**	**1,299,586.6964**
	C.C.	**450,831.9932**	**1,302,403.6701**
	P.T. STA. 144+69.87	**446,969.9898**	**1,299,725.0642**
	P.O.T STA. 156+64.56	**446,289.1180**	**1,300,706.7425**
18TH STREET NW	**POT STA. 200+00.00**	**446,288.7067**	**1,300,455.5730**
	POT STA. 201+75.19	**446,463.8981**	**1,300,454.7451**

NOTE:

COORDINATES ARE BASED ON THE MARYLAND STATE PLANE. ELEVATIONS ARE BASED ON THE D.C. DATUM.

CURVE DATA						
NAME	**DELTA**	**Dc**	**RADIUS**	**TANGENT**	**LENGTH**	**EXT.**
CURVE 1	**5° 05′ 57″ RT**	**1°35′ 30″**	**3,600′**	**160.30′**	**320.39′**	**3.57′**
CURVE 2	**4° 06′ 14″ LT**	**1°13′ 09″**	**4,700′**	**168.39′**	**336.64′**	**3.02′**

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MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

GS–02

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

GEOMETRIC LAYOUT PLAN

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF

DATE ____
FILE ____
SHEET 06 OF 65

$PENTBLS$
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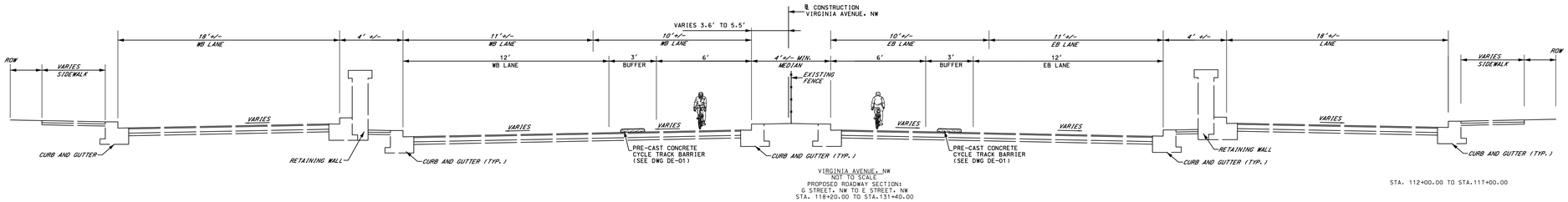
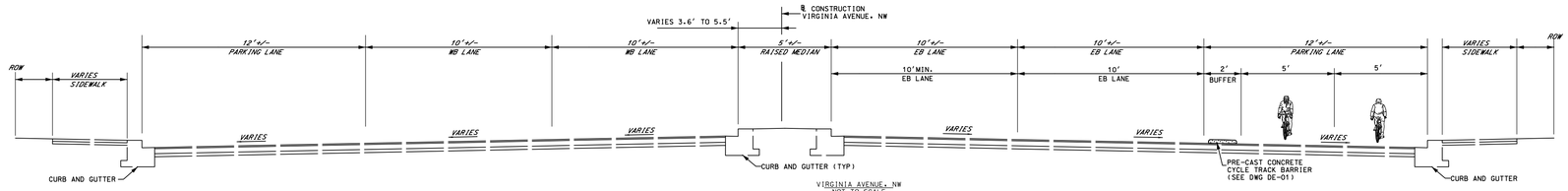
$PLTDRVS$
Tuesday, March 30, 2021 AT 06:56 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	07	65



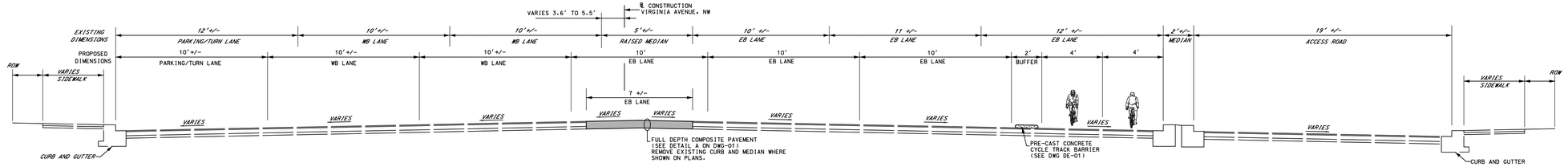
VIRGINIA AVENUE, NW
NOT TO SCALE
PROPOSED ROADWAY SECTION:
G STREET, NW TO E STREET, NW
STA. 118+20.00 TO STA.131+40.00

STA. 112+00.00 TO STA.117+00.00

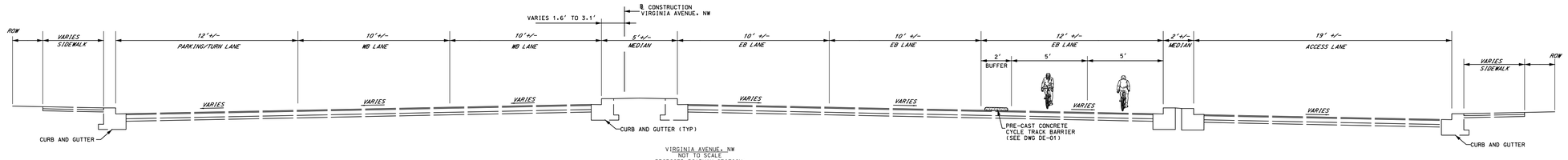


VIRGINIA AVENUE, NW
NOT TO SCALE
PROPOSED ROADWAY SECTION:
25TH STREET, NW TO G STREET, NW
STA. 112+00.00 TO STA.117+00.00

STA. 112+00.00 TO STA.117+00.00



VIRGINIA AVENUE, NW
NOT TO SCALE
PROPOSED ROADWAY SECTION:
ROCK CREEK PARK, NW TO 25TH STREET, NW
STA. 109+13.00 TO STA.111+50.00



VIRGINIA AVENUE, NW
NOT TO SCALE
PROPOSED ROADWAY SECTION:
ROCK CREEK PARK, NW TO 25TH STREET, NW
STA. 100+68.00 TO STA. 109+13.00

TS–01

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

PROJECT ENG. _____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

TYPICAL SECTIONS

DIVISION CHIEF
DATE _____
FILE _____
SHEET 07 OF 65

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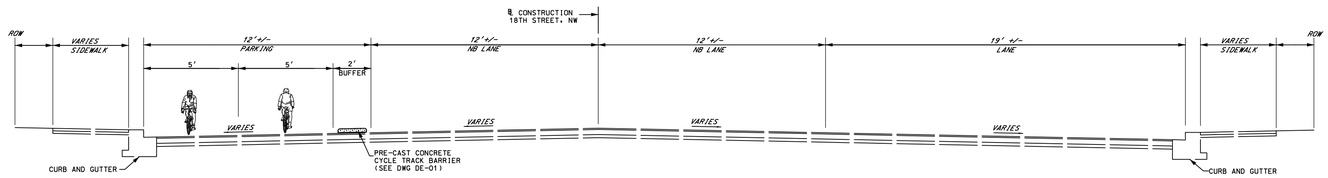
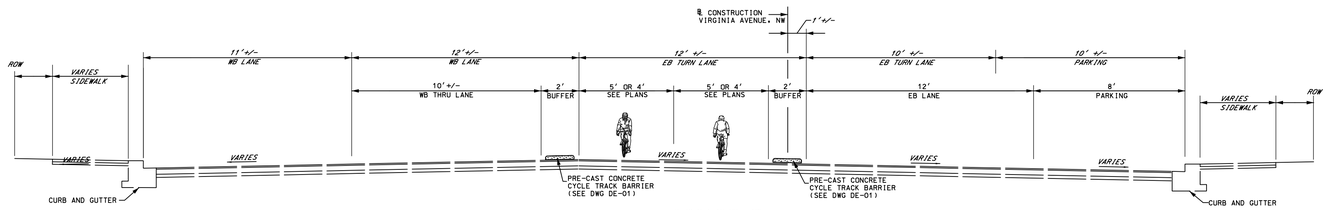
Tuesday, March 30, 2021 AT 06:56 PM
$PENTBLS$
$PLTDRVS$

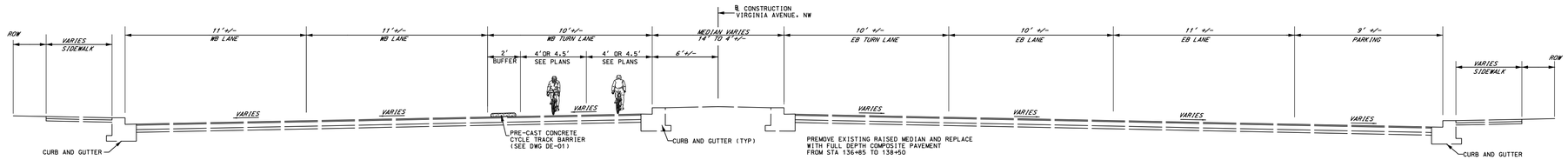
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	08	65



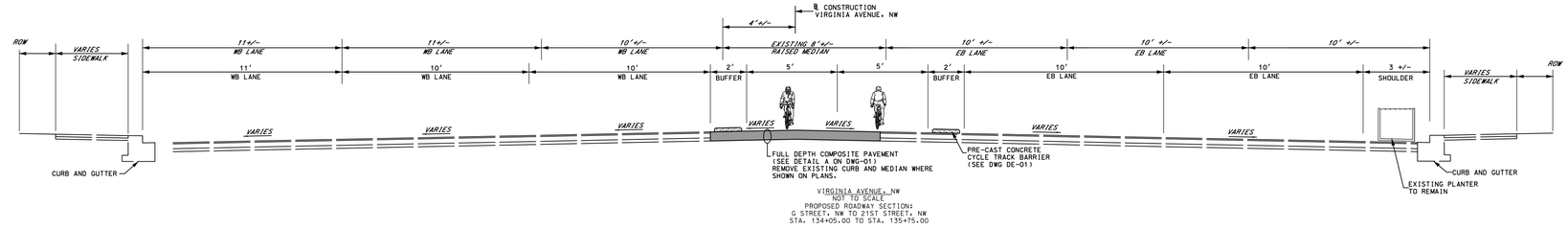
18TH STREET, NW
NOT TO SCALE
PROPOSED ROADWAY SECTION:
CONSTITUTION AVENUE, NW TO VIRGINIA AVENUE, NW
STA. 200+75.00 TO STA. 201+31.00



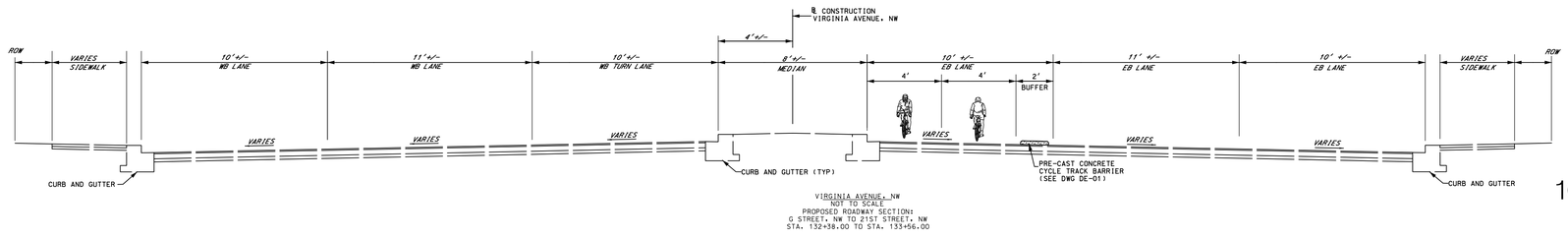
VIRGINIA AVENUE, NW
NOT TO SCALE
PROPOSED ROADWAY SECTION:
19TH STREET, NW TO 18TH STREET, NW
STA. 148+65.00 TO STA. 152+87.00



VIRGINIA AVENUE, NW
NOT TO SCALE
PROPOSED ROADWAY SECTION:
21ST STREET, NW TO 19TH STREET, NW
STA. 136+85.00 TO STA. 147+00.00



VIRGINIA AVENUE, NW
NOT TO SCALE
PROPOSED ROADWAY SECTION:
G STREET, NW TO 21ST STREET, NW
STA. 134+05.00 TO STA. 135+75.00



VIRGINIA AVENUE, NW
NOT TO SCALE
PROPOSED ROADWAY SECTION:
G STREET, NW TO 21ST STREET, NW
STA. 132+38.00 TO STA. 133+56.00

TYPICAL SECTION NOTES:

1. NO PAVEMENT CORES WERE PERFORMED ON THE EXISTING ROAD BED. EXISTING PAVEMENT STRUCTURE IS ASSUMED FROM SIMILAR PROJECTS.
2. STATION LIMITS PROVIDED FOR TYPICAL SECTIONS ARE APPROXIMATED. STATION LIMITS PROVIDED TO ESTABLISH GENERAL LOCATIONS WITHIN THE PROJECT. SEE SIGNING & MARKING PLANS FOR ACTUAL CONDITIONS AT SPECIFIC STATIONS.
3. SOME LANES SHOWN WITHIN BOTH THE EXISTING AND PROPOSED TYPICAL SECTIONS MAY BE USED FOR PARKING DURING CERTAIN DEFINED TIME PERIODS. SEE SIGNING & MARKING PLANS FOR RESTRICTIONS.
4. CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS BY GRINDING.
5. EXISTING ROADWAY CROWN LOCATIONS AND CROSS SLOPES HAVE NOT BEEN FIELD VERIFIED. CROWN POINTS AND SLOPES WITHIN TYPICALS ARE ONLY DRAWN TO PROVIDE A GENERAL VISUAL OF ANTICIPATED GEOMETRICS.
6. ACTUAL LOCATION OF BASELINE OF CONSTRUCTION MAY BE SLIGHTLY OFFSET FROM LANE EDGE.

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

TS-02

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

TYPICAL SECTIONS

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF

DATE ____
FILE ____
SHEET 08 OF 65

$PENTBL.S$
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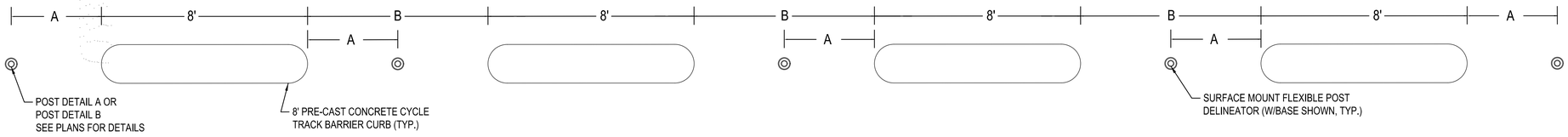
$PLTDRVS$
Tuesday, March 30, 2021 AT 06:56 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	09	65

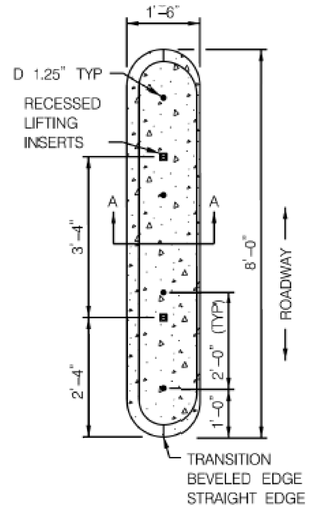


TYPICAL 8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB AND SURFACE MOUNT FLEXIBLE DELINEATOR POST LAYOUT
N.T.S.

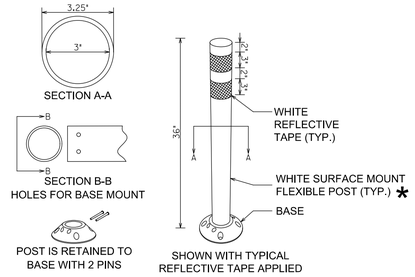
NOTES:
1. THE PATTERN SHALL START AND END WITH A SURFACE MOUNT FLEXIBLE POST DELINEATOR.

8' PRE-CAST CONCRETE CYCLE TRACK SPACING			
	A	B	POST TYPE
7FT SPACING	3.5'	7'	POST DETAIL A
2FT SPACING*	1'	2'	POST DETAIL B

*2FT SPACING SHALL BE USED ON VIRGINIA AVENUE FROM G STREET N.W. TO E STREET N.W.
STA. 120+57 TO STA 128+64



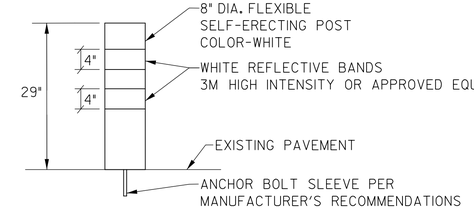
PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE)
N.T.S.



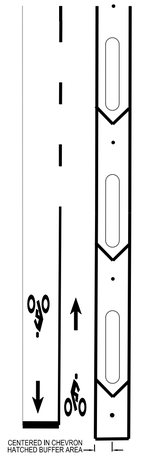
NOTE: FLEXIBLE POSTS PLACED AT CENTERLINE OF CYCLE TRACK AT INTERSECTIONS SHALL BE YELLOW WITH WHITE REFLECTIVE TAPE.

POST DETAIL A
SURFACE MOUNT FLEXIBLE DELINEATOR
N.T.S.

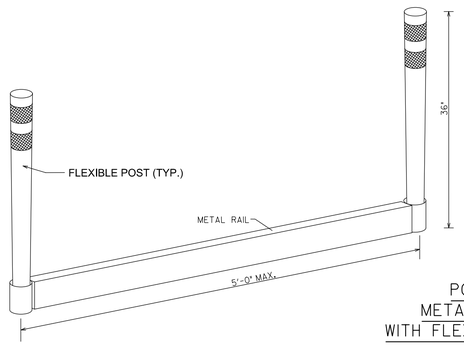
NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2 DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
3. COLOR OF POST SHALL MATCH COLOR OF APPLICABLE EDGE LINE.
4. SPACE POSTS BETWEEN PARKING STOPS AS SHOWN IN DETAIL THIS SHEET UNLESS OTHERWISE NOTED.



POST DETAIL B
K-71 SELF-ERECTING MARKER POST
N.T.S.



TYPICAL HORIZONTAL LOCATION OF PRE-CAST
CONCRETE CYCLE TRACK BARRIER CURB
AND SURFACE MOUNT FLEXIBLE DELINEATOR POSTS
N.T.S.



POST DETAIL C
METAL BUFFER FENCE
WITH FLEX-POST DELINEATORS
N.T.S.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2 DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
3. COLOR OF POST SHALL MATCH COLOR OF APPLICABLE EDGE LINE.
4. DEZINLINE OR AN APPROVED EQUAL BIKE RAIL STEEL BARRIER SYSTEM SHALL BE SUBMITTED TO DDOT FOR APPROVAL.

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

DE-01

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

ROADWAY DETAILS

DIVISION CHIEF
DATE ____
FILE ____
SHEET 09 OF 65

$PENTBLS$
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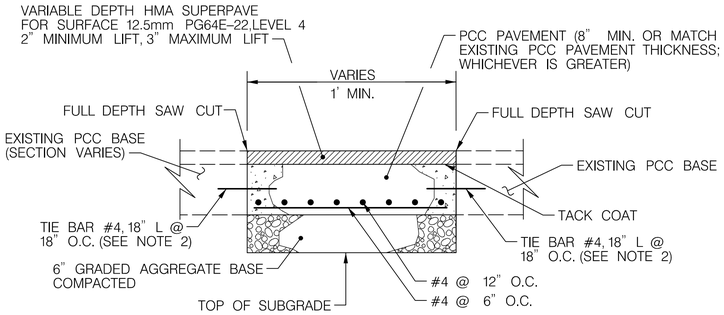
$PLTDRVS$
Tuesday, March 30, 2021 AT 06:57 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	10	65



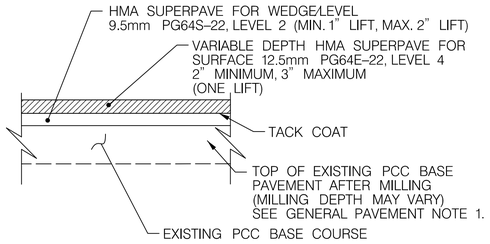
DETAIL A
FULL DEPTH COMPOSITE PAVEMENT DETAIL
N.T.S.

NOTES:

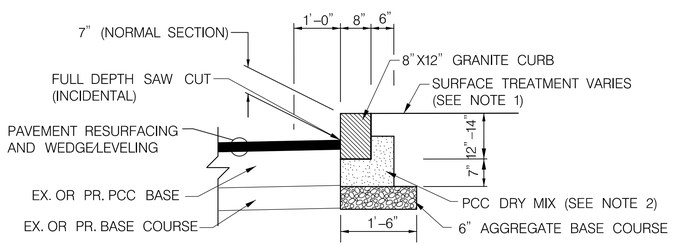
1. THIS DETAIL IS SPECIFICALLY FOR PAVEMENT WIDEINING AND REMOVAL OF EXISTING TRAFFIC ISLANDS. SEE SHEETS P–01 THRU P–03, P–07 & P–08.
2. A COMPOSITE SECTION IS ASSUMED BASED ON SIMILAR ROADWAYS.
3. SEE DDOT STANDARD SPECIFICATIONS, SECTION 804.04, FOR MATERIAL REQUIREMENTS.
4. TIE BAR SHOULD BE EMBEDDED 6" INTO EXISTING CONCRETE.

GENERAL PAVEMENT NOTES:

1. A MINIMUM OF 2" SHALL BE MILLED ON ALL PAVEMENT TO BE RESURFACED REGARDLESS IF THE EXISTING PAVEMENT MATERIAL IS ASPHALTIC OR PCC. IN LOCATIONS WHERE EXISTING PCC BASE IS MORE THAN 2" BELOW THE TOP OF THE EXISTING ASPHALTIC SURFACE COURSE THE CONTRACTOR SHALL MILL TO THE TOP OF THE EXISTING PCC BASE. IF REQUIRED, ADDITIONAL PASSES WITH THE MILLING MACHINE WILL NOT BE MEASURED FOR PAYMENT AND SHALL BE CONSIDERED INCIDENTAL TO THE PAVEMENT PROFILING (MILLING) BID ITEM.
2. FULL DEPTH SAW CUTS SHALL BE INCIDENTAL TO THE PERTINENT BID ITEM.



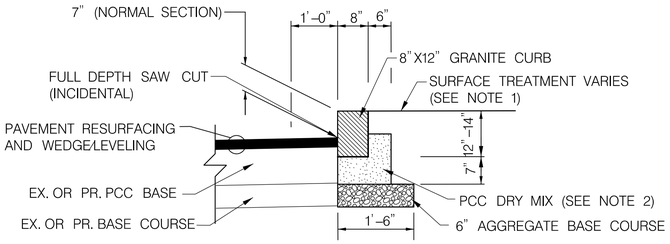
DETAIL B
WEDGE/LEVEL PAVEMENT DETAIL
N.T.S.



DETAIL C
GRANITE CURB
N.T.S.

NOTES

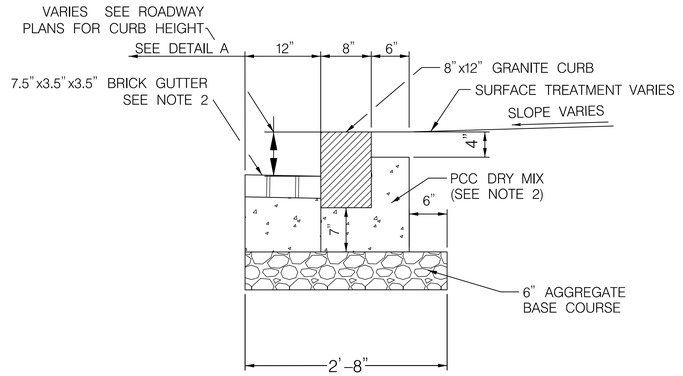
1. SEE ROADWAY PLANS FOR SURFACE TREATMENT
2. FOR 8" x 12" GRANITE CURB SETTING, SEE DDOT STD. DWG. NO. 606.02



DETAIL D
GRANITE CURB
N.T.S.

NOTES

1. SEE ROADWAY PLANS FOR SURFACE TREATMENT
2. FOR 8" x 12" GRANITE CURB SETTING, SEE DDOT STD. DWG. NO. 606.02



DETAIL E
GRANITE CURB WITH BRICK GUTTER

NOTES:

1. GUTTER SLOPE LOW SIDE – 1 IN. PER FT. TOWARD CURB
   GUTTER SLOPE HIGH SIDE – 5/8 IN. PER FT. AWAY FROM CURB
2. FOR 8" x 12" GRANITE CURB AND 7.5" x 3.5" x 3.5" BRICK GUTTER SETTING, SEE DDOT STD. DWG. NO. 606.02
3. DETAIL DEVELOPED FROM DDOT STD. DWG. NO. 606.04 REFER TO STD. DWG. FOR ADDITIONAL NOTES

DE–02

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

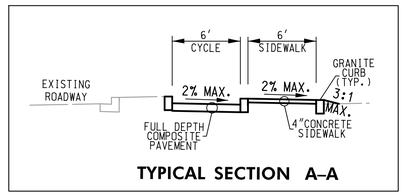
VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

ROADWAY DETAILS

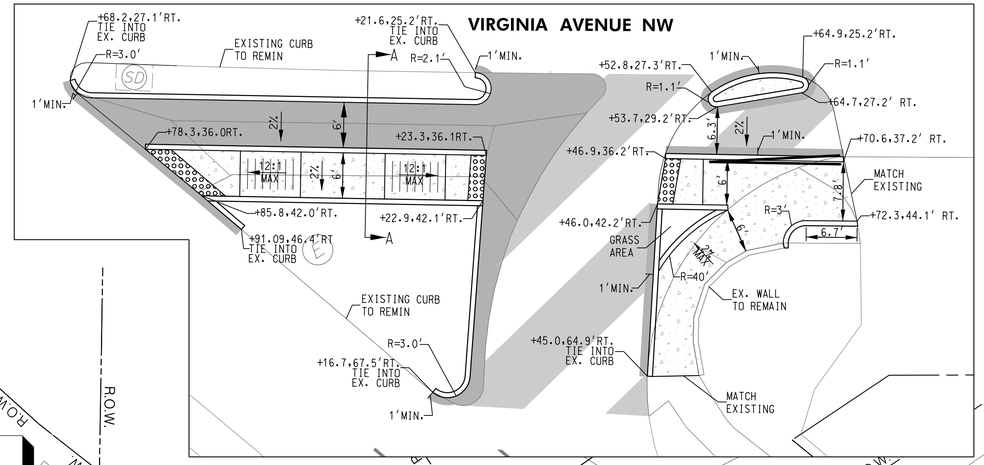
PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF
DATE ____
FILE ____
SHEET 10 OF 65

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	11	65



TYPICAL SECTION A–A



LIMIT OF WORK

VIRGINIA AVENUE PROTECTED BIKE LANE
FROM ROCK CREEK PARKWAY, N.W.
TO 18TH STREET, N.W.
VIRGINIA AVENUE, N.W. STA. 100+04.57

SURFACE MOUNT FLEXIBLE POST DELINEATOR (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	EACH
102+09 TO 102+39	RT.	3
102+76 TO 102+91	RT.	2
104+35 TO 104+50	RT.	1

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LENGTH (LF)
102+13 TO 102+36	RT.	16
102+79 TO 102+87	RT.	8
104+38 TO 104+46	RT.	8

PCC WHEELCHAIR/BICYCLE RAMP - NEW CONSTRUCTION	
STATION	OFFSET
100+84	RT
101+22	RT
101+47	RT

REPAIR - REPLACE PCC SIDEWALK 4 INCH		
STATION	OFFSET	AREA
100+82 TO 101+21	RT.	24 SY
101+46 TO 101+72	RT.	36SY
101+53 TO 101+65	RT.	3 SY

GRANITE CURB (SEE DETAIL'C' ON DWG DE-02)		
STATION	OFFSET	LENGTH (LF)
100+68 TO 101+21	RT.	61
100+78 TO 101+23	RT.	45
100+86 TO 101+23	RT.	38
100+86 TO 100+91	RT.	6
101+17 TO 101+23	RT.	29
101+53 TO 101+66	RT.	28
101+46 TO 101+55	RT.	9
101+45 TO 101+46	RT.	22
101+46 TO 101+55	RT.	12
101+62 TO 101+72	RT.	12

CURVE VANE GRATE WITH FRAME FOR SINGLE TYPE S INLET (DDOT STD 310.03)		
STATION	OFFSET	EACH
104+42	RT.	1

20' 0 20' 40'
SCALE: 1"=20'

ROADWAY LEGEND

- 8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)
- PROPOSED FULL DEPTH COMPOSITE PAVEMENT
- PROPOSED WEDGE AND LEVEL

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

P–01

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

ROADWAY PLAN

NO.	DESCRIPTION	NAME	DATE

REVISIONS

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF
DATE ____
FILE ____
SHEET 11 OF 65

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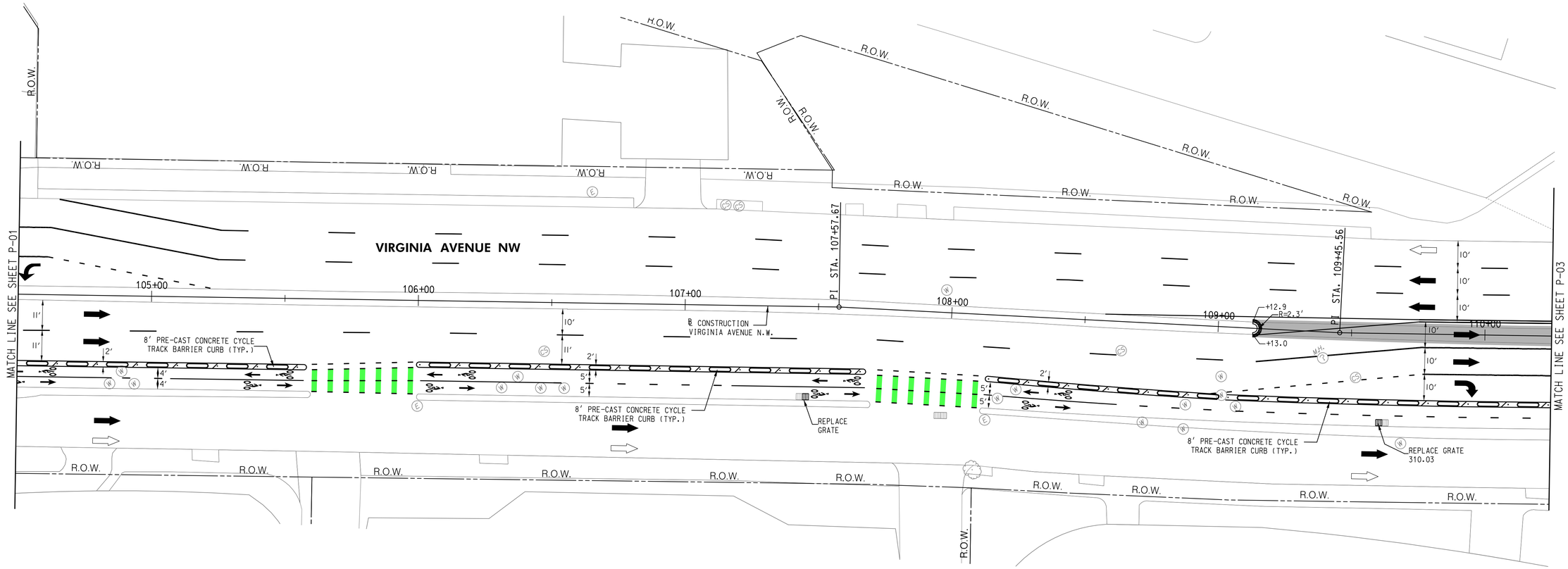
Tuesday, March 30, 2021 AT 06:58 PM $PLTDRVS$

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	12	65



SURFACE MOUNT FLEXIBLE POST DELINEATOR (SEE DETAIL 'A' ON DWG DE-01)		
STATION	OFFSET	EACH
104+50 TO 105+55	RT.	8
106+01 TO 107+66	RT.	12
108+15 TO 110+25	RT.	15

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LENGTH (LF)
104+54 TO 105+52	RT.	56
106+04 TO 107+62	RT.	88
108+18 TO 110+21	RT.	112

GRANITE CURB WITH BRICK GUTTER SEE DETAIL 'D' ON DWG DE-02		
STATION	OFFSET	LENGTH (LF)
109+13 TO 109+13	LT./RT.	8

BRICK GUTTER		
STATION	OFFSET	ARES (SF)
109+13 TO 109+13	LT./RT.	9

CURVE VANE GRATE WITH FRAME FOR SINGLE TYPE S INLET (DDOT STD 310.03)		
STATION	OFFSET	EACH
107+46	RT.	1
109+62	RT.	1

ROADWAY LEGEND

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE
	REVISIONS		

P–02

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

ROADWAY PLAN

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF
DATE ____
FILE ____
SHEET 12 OF 65

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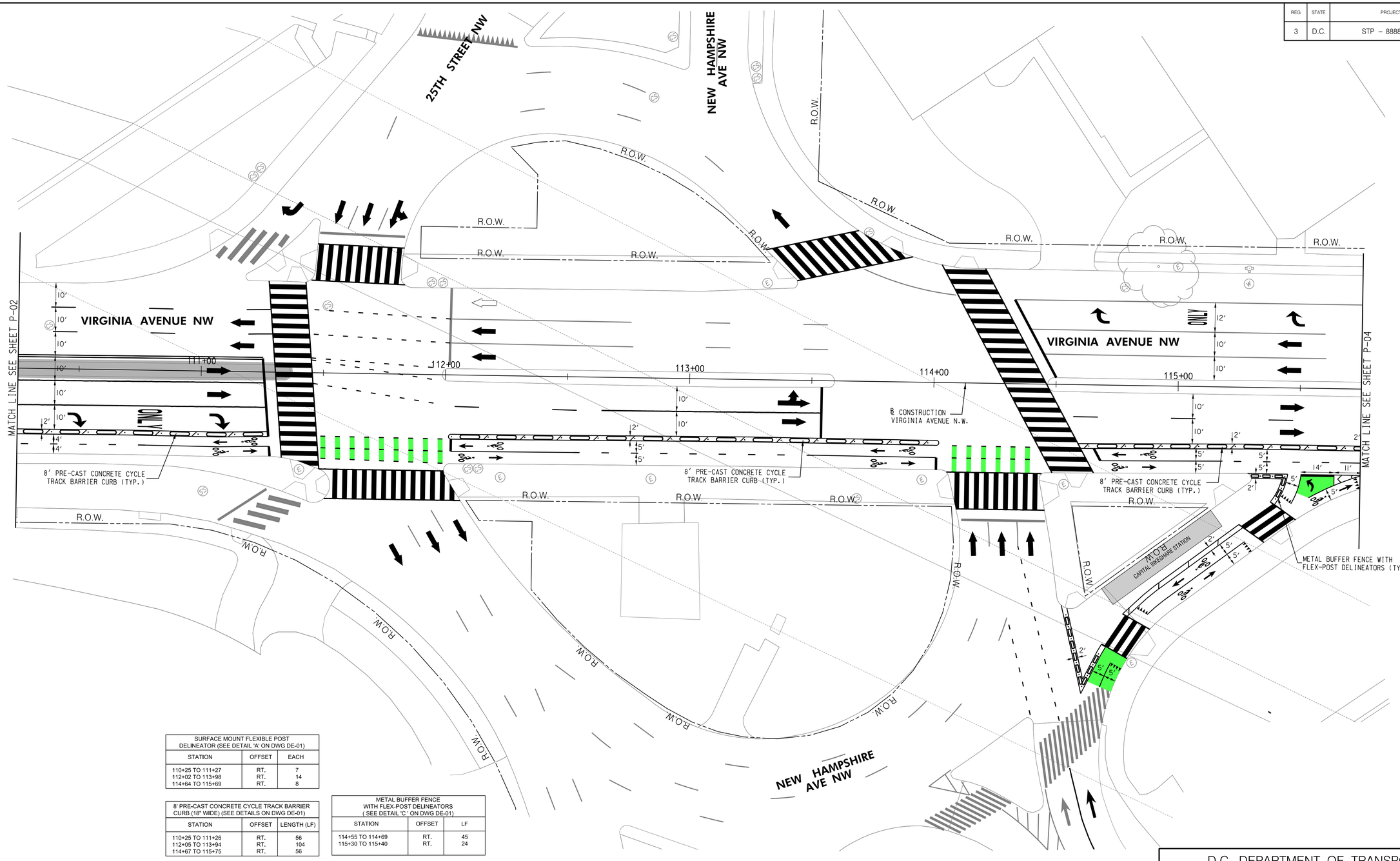
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	13	65



SURFACE MOUNT FLEXIBLE POST DELINEATOR (SEE DETAIL 'A' ON DWG DE-01)		
STATION	OFFSET	EACH
110+25 TO 111+27	RT.	7
112+02 TO 113+98	RT.	14
114+64 TO 115+69	RT.	8

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LENGTH (LF)
110+25 TO 111+26	RT.	56
112+05 TO 113+94	RT.	104
114+67 TO 115+75	RT.	56

METAL BUFFER FENCE WITH FLEX-POST DELINEATORS (SEE DETAIL 'C ' ON DWG DE-01)		
STATION	OFFSET	LF
114+55 TO 114+69	RT.	45
115+30 TO 115+40	RT.	24

ROADWAY LEGEND

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

20' 0 20' 40'

SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

P–03

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

ROADWAY PLAN

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF

DATE ____
FILE ____
SHEET 13 OF 65

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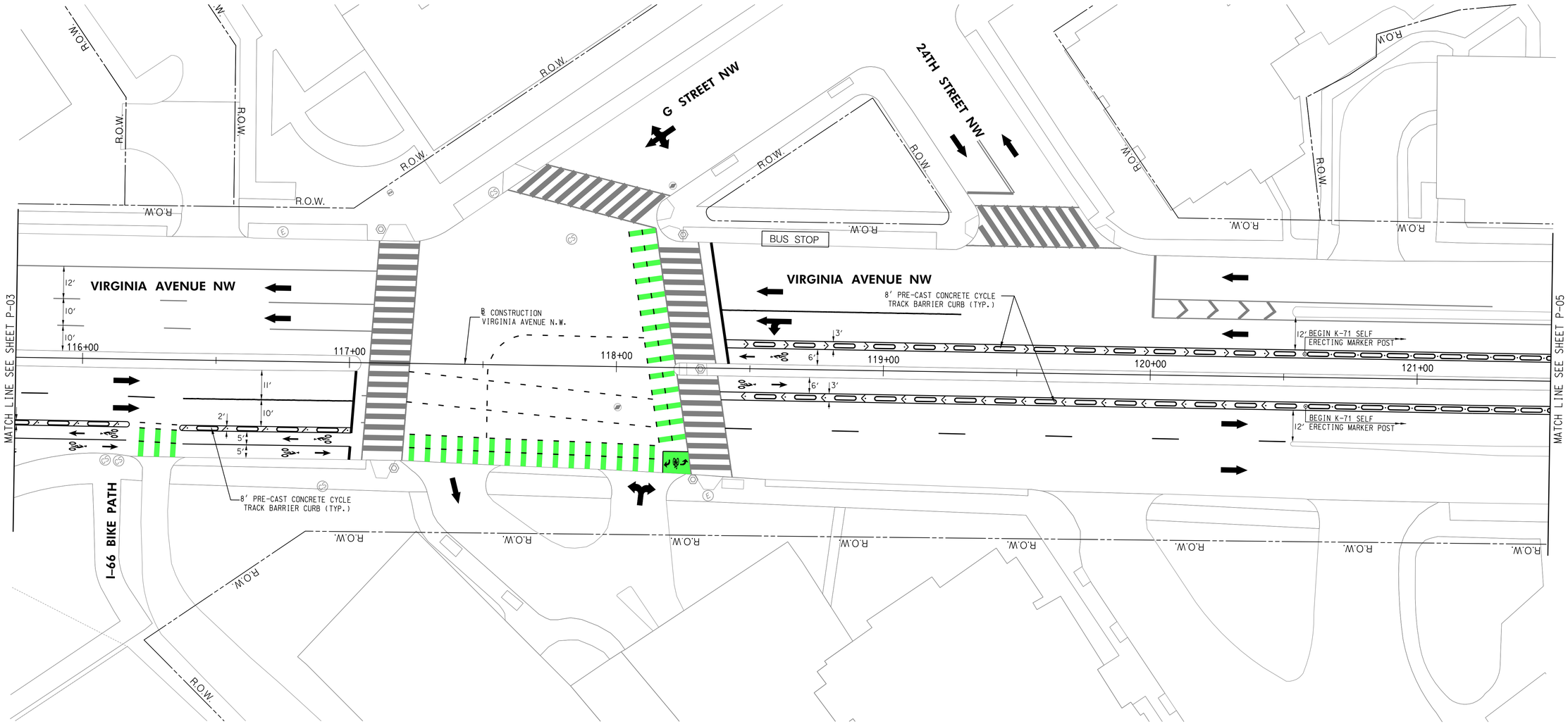
Tuesday, March 30, 2021 AT 06:58 PM $PLTDRVS$

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	14	65



SURFACE MOUNT FLEXIBLE POST DELINEATOR (SEE DETAIL 'A' ON DWG DE-01)		
STATION	OFFSET	EACH
115+75 TO 116+14	RT.	3
116+40 TO 117+00	RT.	5
116+48 TO 120+43	RT.	14
116+48 TO 120+43	LT.	14

K-71 SELF ERECTING MARKER POST (SEE POST DETAIL 'B' ON DWG DE-01)		
STATION	OFFSET	EACH
120+57 TO 121+50	LT.	10
120+57 TO 121+50	RT.	10

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LENGTH (LF)
115+75 TO 116+10	RT.	24
116+43 TO 116+96	RT.	32
116+52 TO 121+50	RT.	184
116+51 TO 121+50	LT.	184

ROADWAY LEGEND

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

20' 0 20' 40'

SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO	DESCRIPTION	NAME	DATE

REVISIONS

P–04

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

ROADWAY PLAN

DIVISION CHIEF
DATE ____
FILE ____
SHEET 14 OF 65

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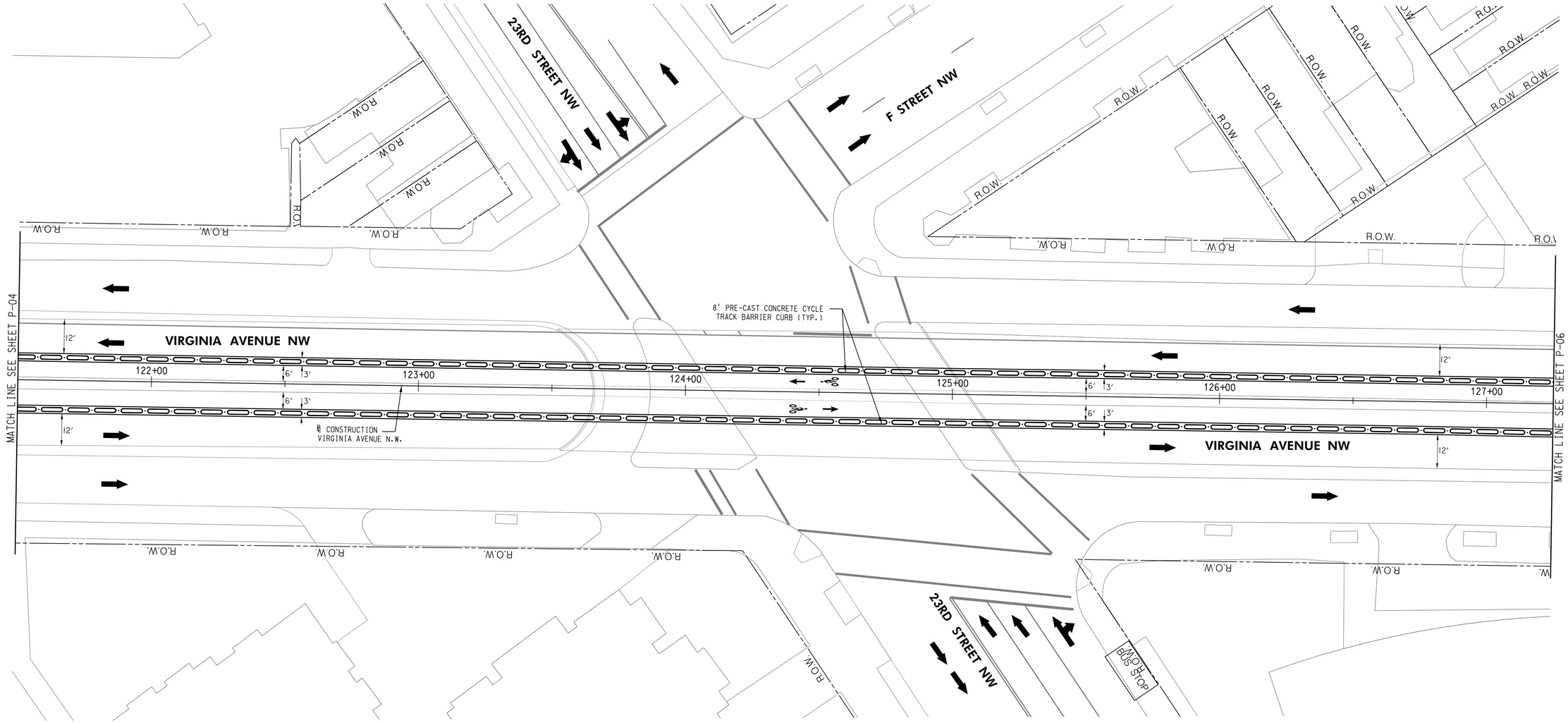
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	15	65



K-71 SELF ERECTING MARKER POST (SEE POST DETAIL 'B' ON DWG DE-01)		
STATION	OFFSET	EACH
121+57 TO 127+25	LT.	58
121+58 TO 127+25	RT.	57

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LENGTH (LF)
121+50 TO 127+25	LT.	464
121+50 TO 127+25	RT.	464

ROADWAY LEGEND

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

20' 0 20' 40'

SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

P–05

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

ROADWAY PLAN

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF
DATE ____
FILE ____
SHEET 15 OF 65

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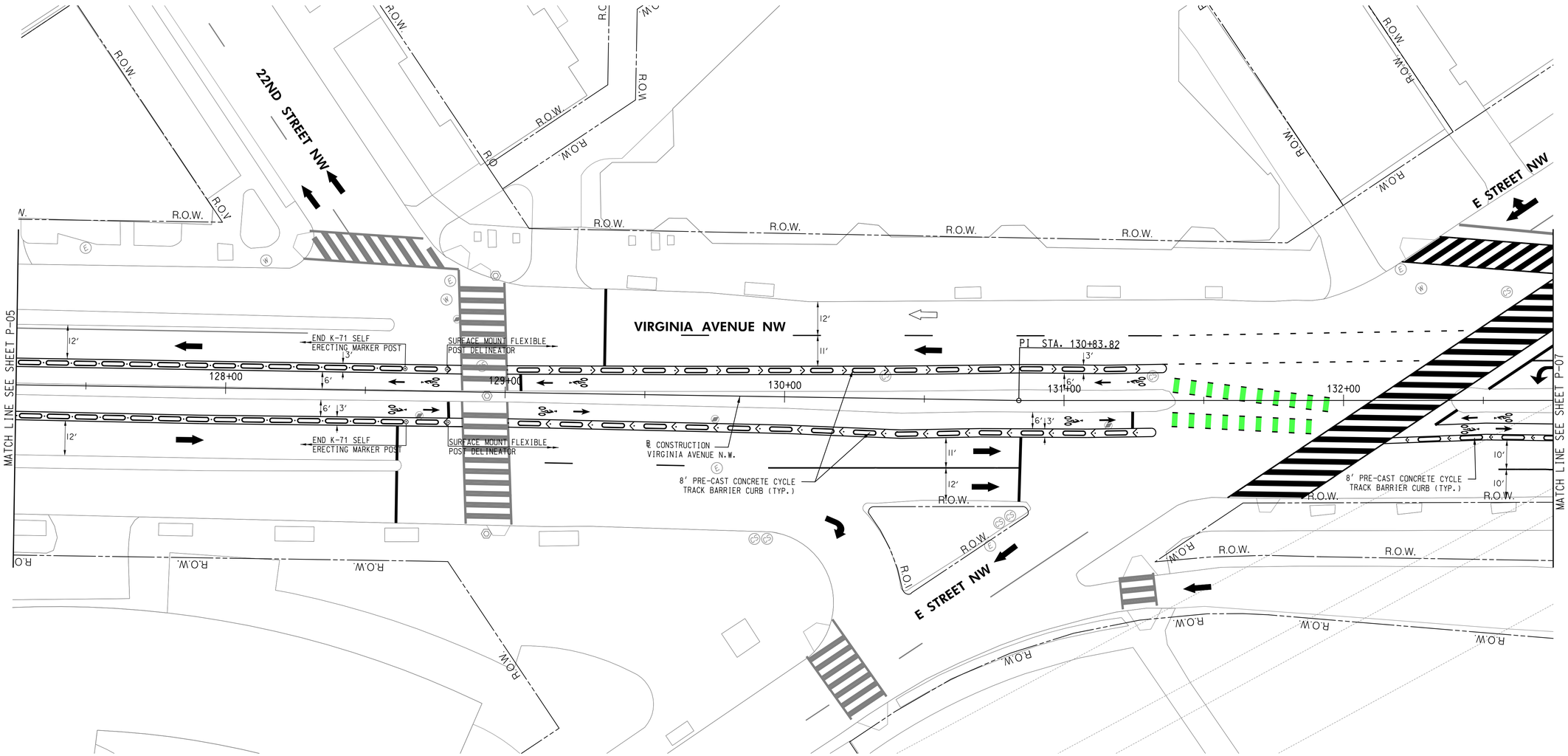
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	16	65



SURFACE MOUNT FLEXIBLE POST DELINEATOR (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	EACH
128+64 TO 128+79	LT.	1
129+00 TO 131+26	LT.	16
128+64 TO 128+79	RT.	1
129+01 TO 131+26	RT.	16
132+23 TO 132+75	RT.	4

K-71 SELF ERECTING MARKER POST (SEE POST DETAIL 'B' ON DWG DE-01)		
STATION	OFFSET	EACH
127+25 TO 128+64	LT.	14
127+25 TO 128+64	RT.	15

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LF
127+25 TO 128+75	LT.	120
129+04 TO 131+22	LT.	120
127+25 TO 128+76	RT.	120
129+05 TO 131+23	RT.	120
132+27 TO 132+75	RT.	32

ROADWAY LEGEND

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

P–06

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

ROADWAY PLAN

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF

DATE ____

FILE ____

SHEET 16 OF 65

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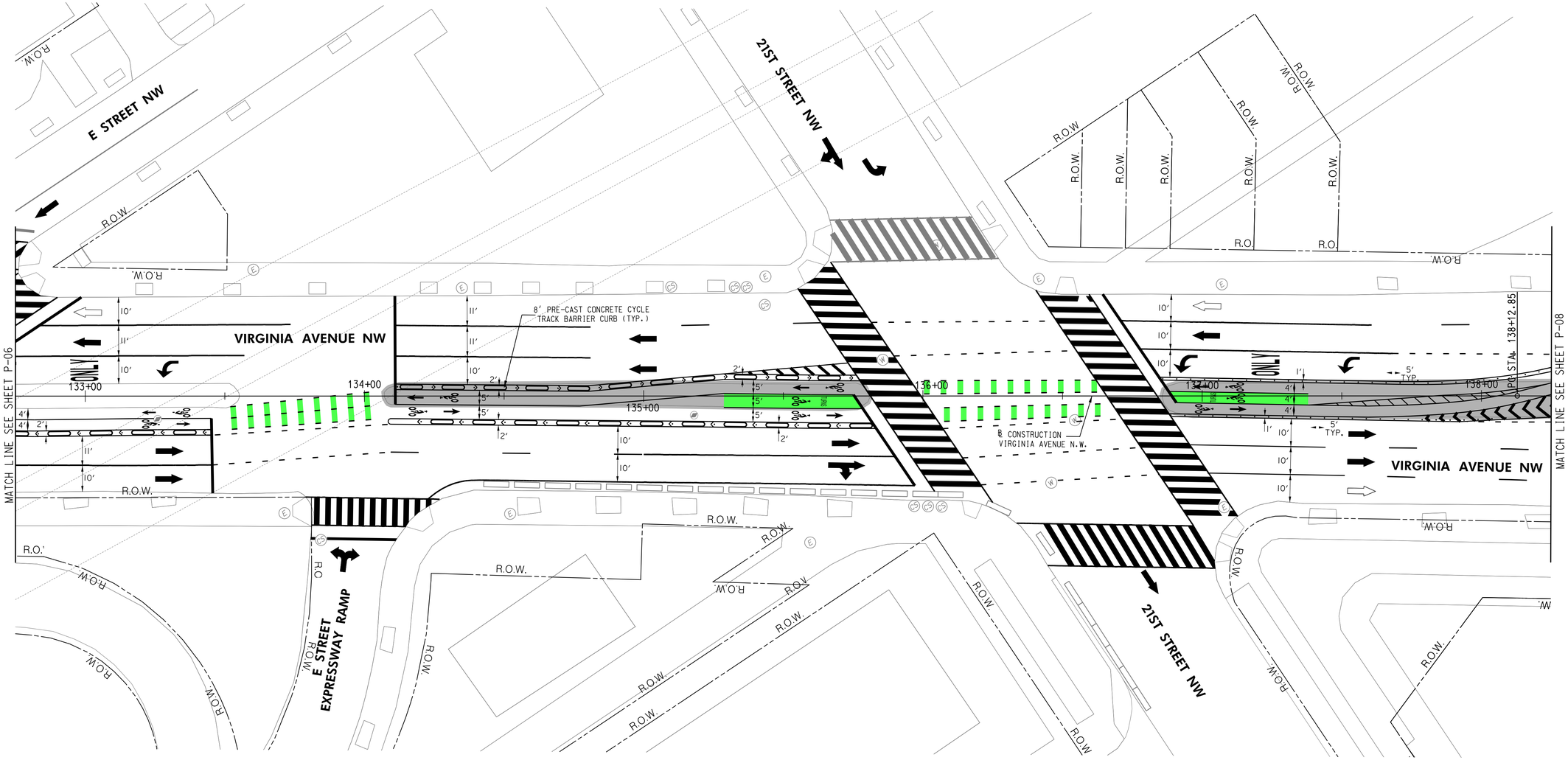
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	17	65



SURFACE MOUNT FLEXIBLE POST DELINEATOR (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	EACH
134+12 TO 135+74	LT.	12
136+86 TO 138+25	LT.	28
132+75 TO 133+43	RT.	5
134+20 TO 135+82	RT.	12
136+88 TO 138+25	RT.	28

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LF
134+13 TO 135+70	LT.	88
132+75 TO 133+40	RT.	40
134+24 TO 135+81	RT.	88

ROADWAY LEGEND

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

P–07

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

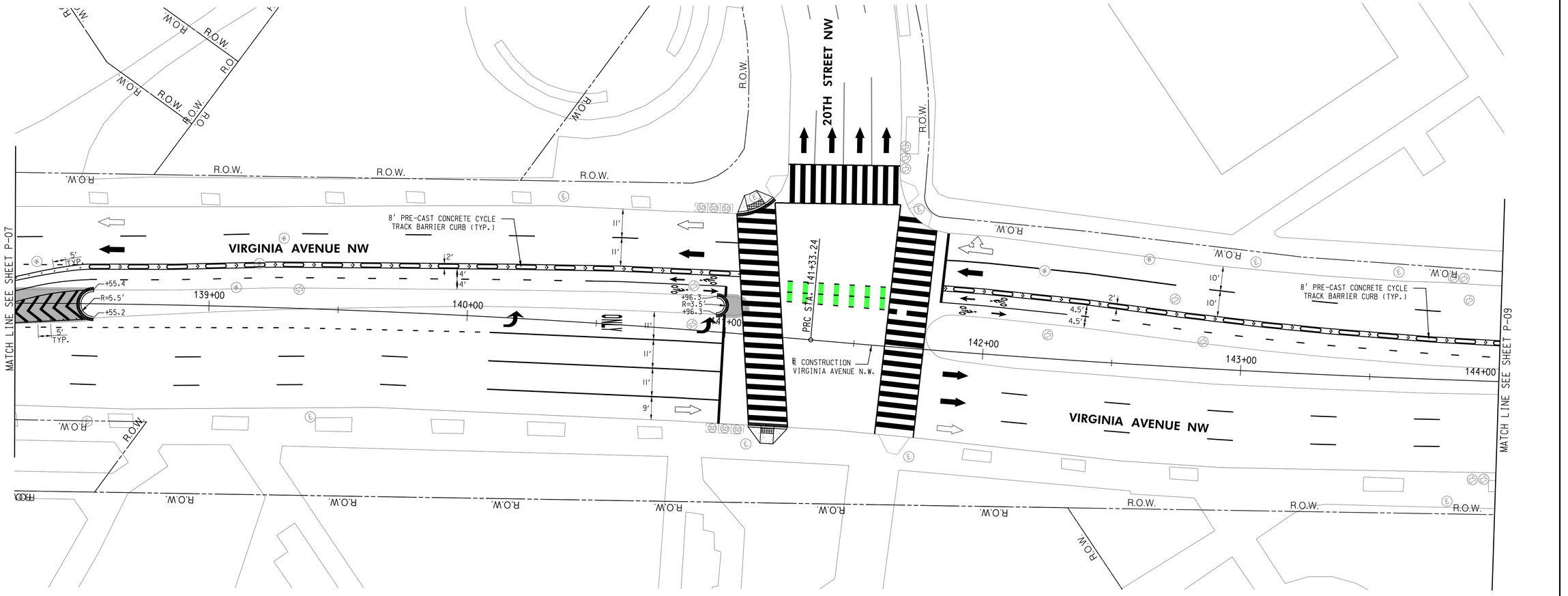
VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

ROADWAY PLAN

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF
DATE ____
FILE ____
SHEET 17 OF 65

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	18	65



PCC WHEELCHAIR/BICYCLE RAMP - NEW CONSTRUCTION	
STATION	OFFSET
141+09	LT.
141+19	RT.

SURFACE MOUNT FLEXIBLE POST DELINEATOR (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	EACH
138+25 TO 141+03	LT.	23
141+83 TO 144+00	LT.	15
138+25 TO 138+49	RT.	5

8 X 12 GRANITE CURB WITH BRICK GUTTER (SEE DETAIL 'D' ON DWG DE-02)		
STATION	OFFSET	LENGTH(LF)
138+55 TO 138+55	LT./RT.	17
141+01 TO 141+15	LT.	15
140+96 TO 140+96	LT. /RT.	11
141+12 TO 141+27	RT.	15

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LENGTH(LF)
138+54 TO 141+00	LT.	136
141+87 TO 144+00	LT.	112

BRICK GUTTER		
STATION	OFFSET	AREA(SF)
138+55 TO 138+55	LT./RT.	19
141+01 TO 141+15	LT.	16
140+96 TO 140+96	LT./RT.	13
141+12 TO 141+27	RT.	15

ROADWAY LEGEND

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE)
WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR
K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

N

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

P–08

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

ROADWAY PLAN

DIVISION CHIEF
DATE ____
FILE ____
SHEET 18 OF 65

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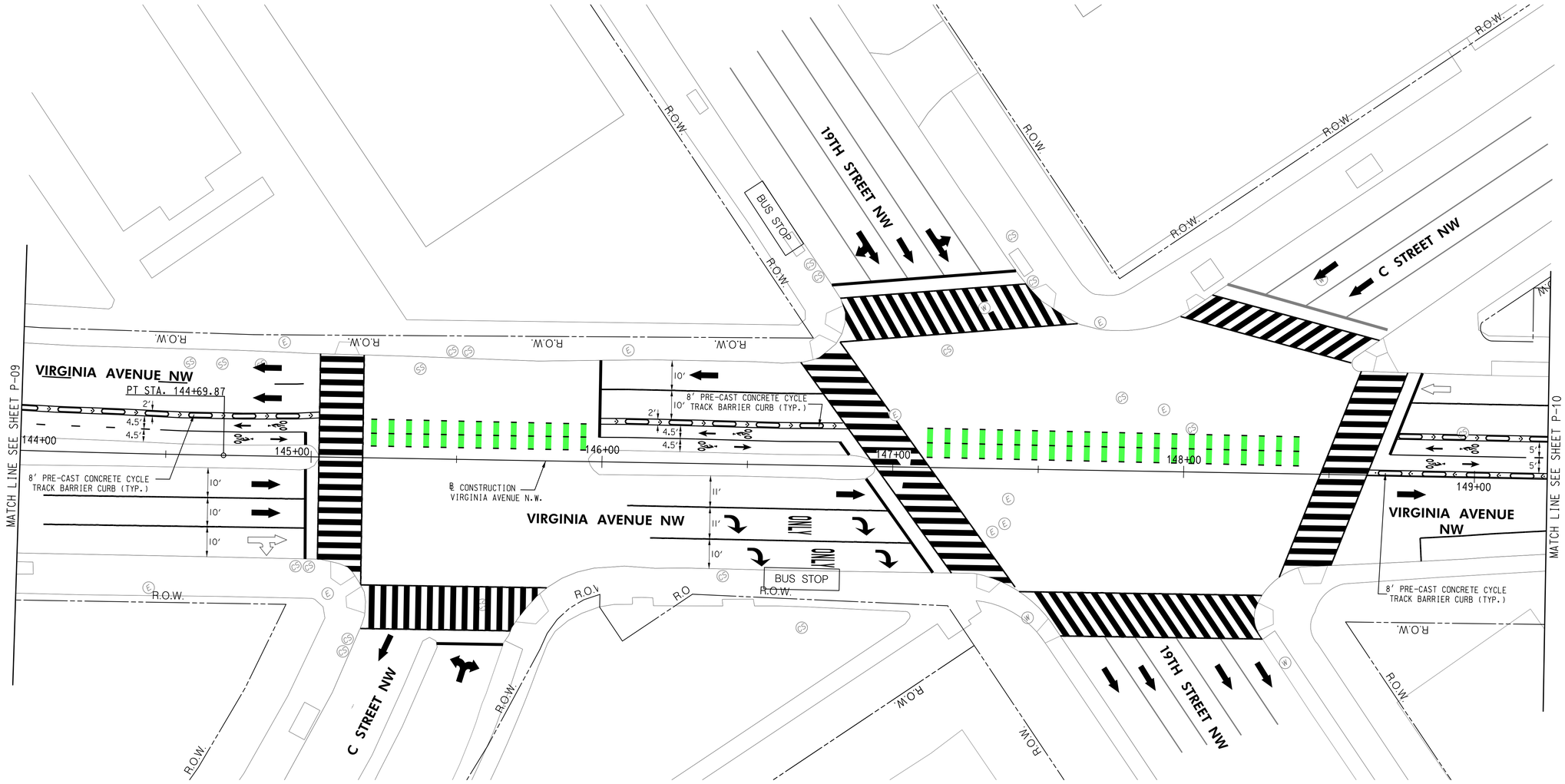
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	19	65



ROADWAY LEGEND

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

SURFACE MOUNT FLEXIBLE POST DELINEATOR (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	EACH
144+00 TO 145+00	LT.	7
146+04 TO 146+79	LT.	6
148+73 TO 149+25	LT.	4
148+66 TO 149+25	LT.	5

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LF
144+00 TO 144+95	LT.	56
146+08 TO 146+76	LT.	40
148+74 TO 149+25	LT.	32
148+67 TO 149+25	LT.	32

20' 0 20' 40'

SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

P-09

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

ROADWAY PLAN

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF

DATE ____
FILE ____
SHEET 19 OF 65

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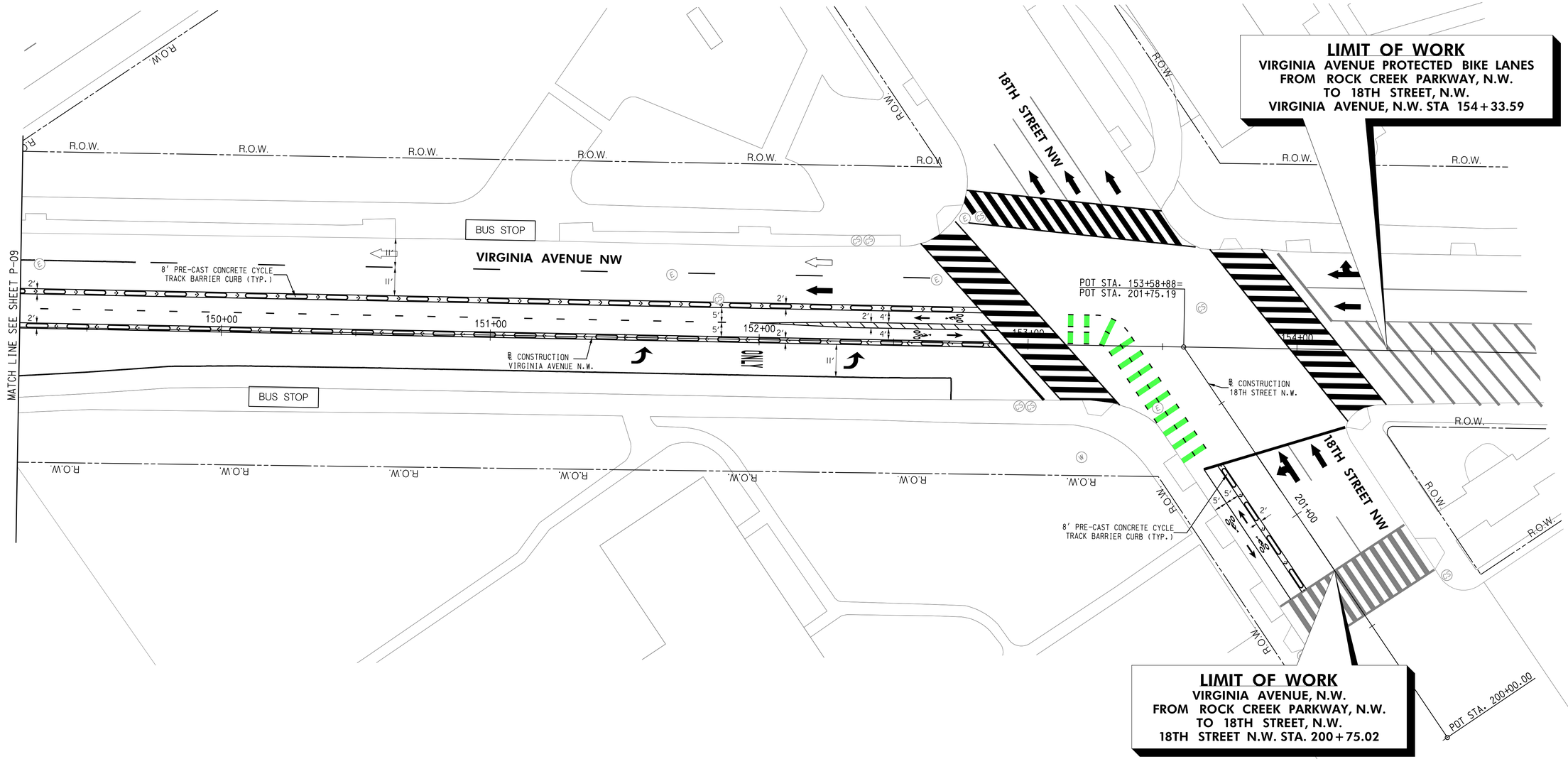
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP – 8888 (304)	20	65



ROADWAY LEGEND

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) WITH SURFACE MOUNT FLEXIBLE POST DELINEATOR OR K-71 SELF-ERECTING MARKER POST (SEE DWG DE-01)

PROPOSED FULL DEPTH COMPOSITE PAVEMENT

PROPOSED WEDGE AND LEVEL

SURFACE MOUNT FLEXIBLE POST DELINEATOR (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	EACH
149+25 TO 152+75	LT.	24
149+25 TO 152+86	LT./RT.	24
200+76 TO 201+30	LT.	5

8' PRE-CAST CONCRETE CYCLE TRACK BARRIER CURB (18" WIDE) (SEE DETAILS ON DWG DE-01)		
STATION	OFFSET	LF
149+25 TO 152+79	LT.	184
149+25 TO 152+75	LT./RT.	192
200+76 TO 201+29	LT.	32

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

P–10

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
PROTECTED BIKE LANES FROM
ROCK CREEK PARK TO 18TH STREET N.W.

ROADWAY PLAN

PROJECT ENG. ____
DESIGNED BY TA
CHECKED BY GAB
DRAWN BY TA
PROJECT MGR. GAB

DIVISION CHIEF
DATE ____
FILE ____
SHEET 20 OF 65

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REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		21	65

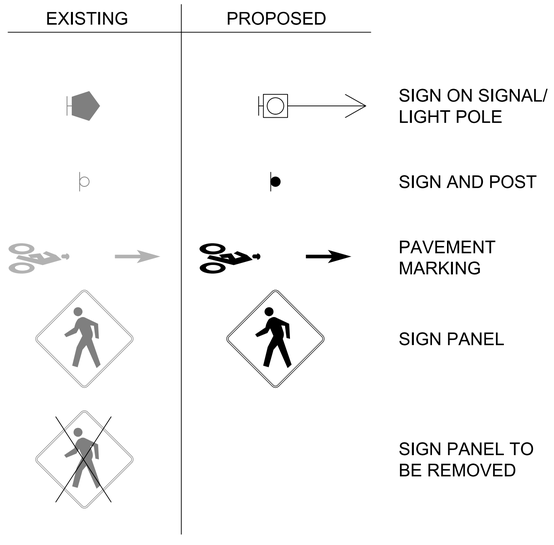
GENERAL NOTES - PAVEMENT MARKINGS:

1. ALL PAVEMENT MARKING WORK SHALL MEET ALL APPLICABLE DDOT STANDARDS AND SPECIFICATIONS AND 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.
2. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
3. ALL EXISTING PAVEMENT MARKINGS MAY NOT BE SHOWN. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE ERADICATED BY A METHOD APPROVED BY DDOT.
4. NOT ALL FIRE HYDRANTS HAVE BEEN LOCATED FOR THIS PAVEMENT MARKING PLAN. FIELD VERIFY FIRE HYDRANT LOCATIONS, AND MARK NO PARKING ZONE FOR 10 FEET ON EITHER SIDE OF THE FIRE HYDRANT. IF HYDRANT LOCATION IS LOCATED WITHIN 40 FEET OF A CROSSWALK ON APPROACH SIDE, EXTEND NO PARKING ZONE MARKINGS TO 10 FEET BEYOND FIRE HYDRANT. FOR DEPARTURE SIDE OF ROAD, IF HYDRANT IS LOCATED WITHIN 20 FEET OF CROSSWALK, EXTEND NO PARKING ZONE MARKINGS TO 10 BEYOND FIRE HYDRANT.
5. FIELD VERIFY DRIVEWAY LOCATIONS BEFORE APPLYING PAVEMENT MARKINGS.
6. CONTRACTOR TO CONFIRM LOCATION OF PROPOSED PAVEMENT MARKINGS WITH DDOT. FINAL LOCATION OF ELEMENTS SHALL BE AS DIRECTED BY DDOT DURING CONSTRUCTION.
7. ALL WHITE LINEAR PAVEMENT MARKINGS LOCATED ON CONCRETE SURFACES SHALL BE OUTLINED BY A 1" BLACK LINE PER DDOT STANDARDS.
8. PROPOSED PAVEMENT MARKINGS SHALL TIE SMOOTHLY INTO THE EXISTING MARKINGS WHERE APPLICABLE.
9. CROSSWALK PAVEMENT MARKINGS, BICYCLE SYMBOLS, BICYCLE CROSSINGS, BICYCLE BOX, TWO STAGE TURN QUEUE BICYCLE BOX, AND BICYCLE LANES SHALL BE CONSTRUCTED IN ACCOURDANCE WITH THE DETAILS ON THE DETAIL SHEET (SN-DT).

GENERAL NOTES - SIGNING:

1. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL BE GOVERNED BY THE STANDARD SPECIFICATIONS FOR HIGHWAY STRUCTURES DATED 2013, ISSUED BY THE DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION, EXCEPT AS AMENDED BY THE SPECIAL PROVISIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING WORK. ANY DAMAGE TO UTILITIES MUST BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
3. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTION TO PROTECT ALL WALKS, GRADING, SIDEWALKS, AND FEATURES OUTSIDE THE LIMITS OF WORK, AND SHALL REPAIR AND REPLACE, OR OTHERWISE MAKE GOOD, AS DIRECTED BY THE ENGINEER ANY SUCH OR OTHER DAMAGE SO CAUSED.
4. ALL SIGN WORK SHALL MEET ALL APPLICABLE DDOT STANDARDS AND SPECIFICATIONS AND 2009 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.
5. ALL SIGNS SHALL BE HIGH INTENSITY SHEETING MEETING THE REQUIREMENTS OF AASHTO M268.
6. PROPOSED SIGNS SHALL BE INSTALLED SO THAT NO PORTION OF THE SIGN PANEL OVERHANGS ADJACENT ROADWAY PAVEMENT, I.E. SHALL NOT HANG IN FRONT OF A FACE OF CURB.
7. PROPOSED SIGN POSTS SHALL BE LOCATED A MINIMUM OF 2 FEET BEHIND ANY ADJACENT FACE OF CURB. IF LOCATED IN OR ADJACENT TO SIDEWALKS, A 32" MINIMUM CLEARANCE AND 28" PREFERRED PASSING SPACE ON EXISTING AND PROPOSED SIDEWALKS SHALL BE MAINTAINED.
8. PROPOSED SIGNS AT NEW LOCATIONS SHALL BE INSTALLED SO THEY DO NOT BLOCK THE VISIBILITY OF ANY EXISTING SIGNS OR SIGNALS.
9. PROPOSED SIGNS AND POSTS SHALL BE CLEAR OF EXISTING FIRE HYDRANTS, SURFACE UTILITY, AND OVERHEAD UTILITY EQUIPMENT A MINIMUM OF 10 FEET.
10. FOR NEW POST INSTALLATION, THE CONTRACTOR SHALL VERIFY THAT THERE ARE NO CONFLICTING UNDERGROUND OR OVERHEAD UTILITIES.
11. SIGNS MOUNTED TO EXISTING LIGHT, SIGNAL, OR UTILITY POLES SHALL BE FASTENED WITH A MANUFACTURED STEEL BANDING SYSTEM. POLES SHALL NOT BE DRILLED DIRECTLY. THE CONTRACTOR SHALL SUBMIT MANUFACTURER INFORMATION ON THE BANDING SYSTEM TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
12. IF SIGN INSTALLATION IS SHOWN ON A POLE THAT IS NOT OWNED BY THE CITY, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER (UTILITY COMPANY OR PROPERTY OWNER). THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING REQUIRED PERMISSION.
13. THE CONTRACTOR SHALL NOT BLOCK TWO CONSECUTIVE BUS STOPS.
14. THE CONTRACTOR SHALL COORDINATE WITH WMATA (202-962-6085) PRIOR TO WORK THAT IMPACTS A BUS STOP.
15. ALL PARKING RESTRICTIONS SHALL BE INSTALLED AT A 45 DEGREE ANGLE FACING THE LINE OF TRAFFIC FLOW.

SIGNING LEGEND



SN–GN

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING
GENERAL NOTES

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 21 OF 65

$PENTBLS$
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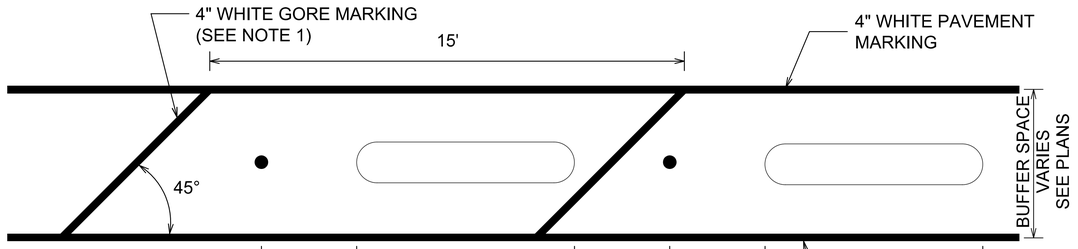
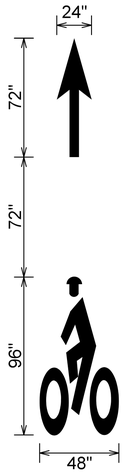
Tuesday, March 30, 2021 AT 05:40 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		22	65

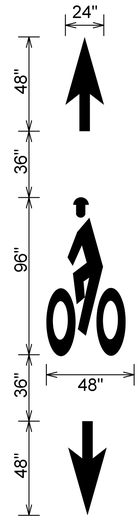


DIAGONAL CYCLE TRACK BUFFER SPACE
N.T.S.

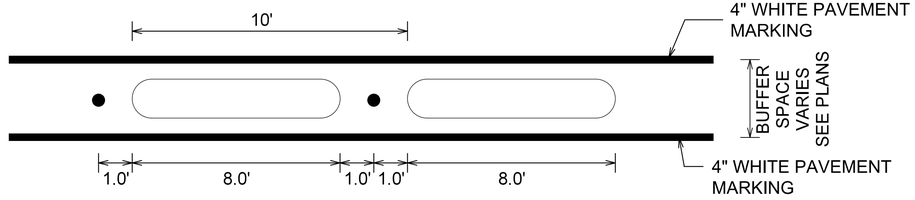
NOTES:
1. SEE SIGNING AND PAVEMENT MARKING PLANS FOR DIRECTION OF GORE MARKINGS.
2. SEE ROADWAY PLANS FOR CURB-STOP AND FLEX POST INSTALLATION DETAILS.



BICYCLE LANE SYMBOL
N.T.S.

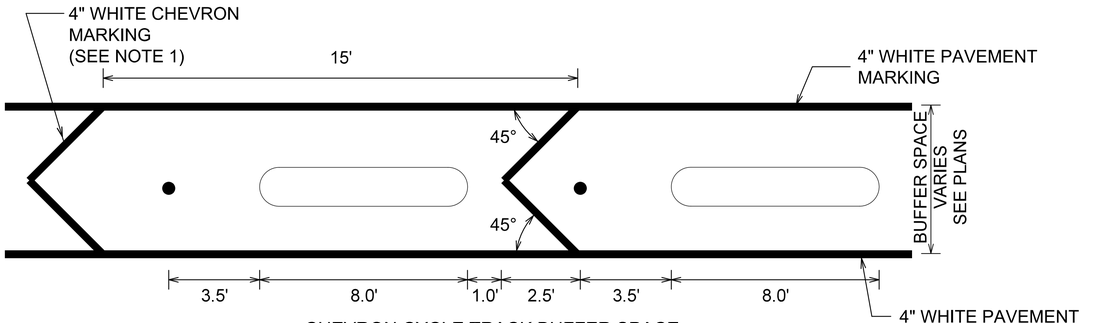


TWO-WAY BIKE TRAFFIC SYMBOL
N.T.S.



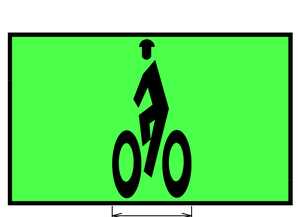
UNMARKED CYCLE TRACK BUFFER SPACE
N.T.S.

NOTES:
1. SEE ROADWAY PLANS FOR CURB-STOP AND FLEX POST INSTALLATION DETAILS.



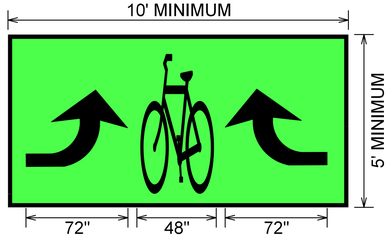
CHEVRON CYCLE TRACK BUFFER SPACE
N.T.S.

NOTES:
1. SEE SIGNING AND PAVEMENT MARKING PLANS FOR DIRECTION OF GORE MARKINGS.
2. SEE ROADWAY PLANS FOR CURB-STOP AND FLEX POST INSTALLATION DETAILS.



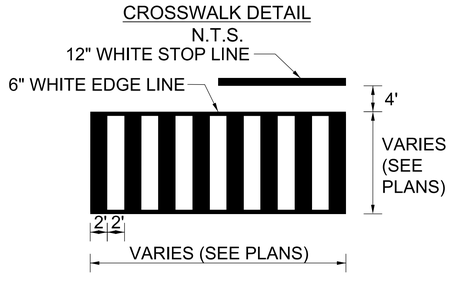
BICYCLE BOX
N.T.S.

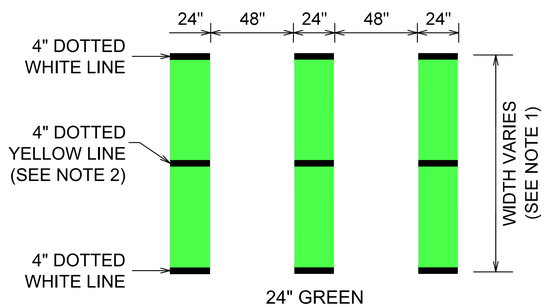
NOTES:
1. BIKE BOX CONFIGURATION AS PER PLAN



TWO-STAGE TURN QUEUE BICYCLE BOX
N.T.S.

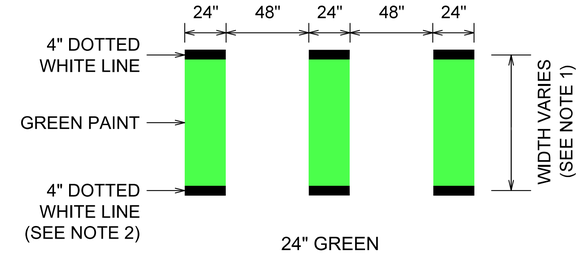
NOTES:
1. BIKE SYMBOL AND ARROW CONFIGURATION AS PER PLAN





24" GREEN
BICYCLE CROSSING
FOR 2-WAY CYCLE TRACK
N.T.S.

NOTES:
1. ALL MEASURMENTS TAKEN TO CENTER OF 4" DOTTED WHITE LINE. 2-WAY CYCLE TRACK SHALL BE 8' WIDE UNLESS OTHERSWISE NOTED ON THE SIGNING AND PAVEMENT MARKING PLANS.
2. PLACE 4" DOTTED YELLOW LINES IN CENTER OF 24" GREEN COLORED BICYCLE CROSSING.
3. WHERE 2-WAY CYCLE TRACK IS ADJACENT TO GUTTERPAN AT DRIVEWAYS AND ALLEYS THERE SHALL BE NO 4" DOTTED WHITE EDGE LINE. EXTEND GREEN PAINT TO EDGE OF GUTTERPAN. SEE THE SIGNING AND PAVEMENT MARKING PLANS FOR WIDTHS.



24" GREEN
BICYCLE CROSSING
FOR ONE WAY BIKE LANE
N.T.S.

NOTES:
1. ALL MEASURMENTS TAKEN TO CENTER OF 4" DOTTED WHITE LINE. ONE WAY BIKE LANE SHALL BE 5' WIDE UNLESS OTHERSWISE NOTED ON THE SIGNING AND PAVEMENT MARKING PLANS.
2. WHERE ONE WAY BIKE LANE IS ADJACENT TO GUTTERPAN AT DRIVEWAYS AND ALLEYS THERE SHALL BE NO 4" DOTTED WHITE EDGE LINE. EXTEND GREEN PAINT TO EDGE OF GUTTERPAN. SEE THE SIGNING AND PAVEMENT MARKING PLANS FOR WIDTHS.

SN–DT

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING DETAILS

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE

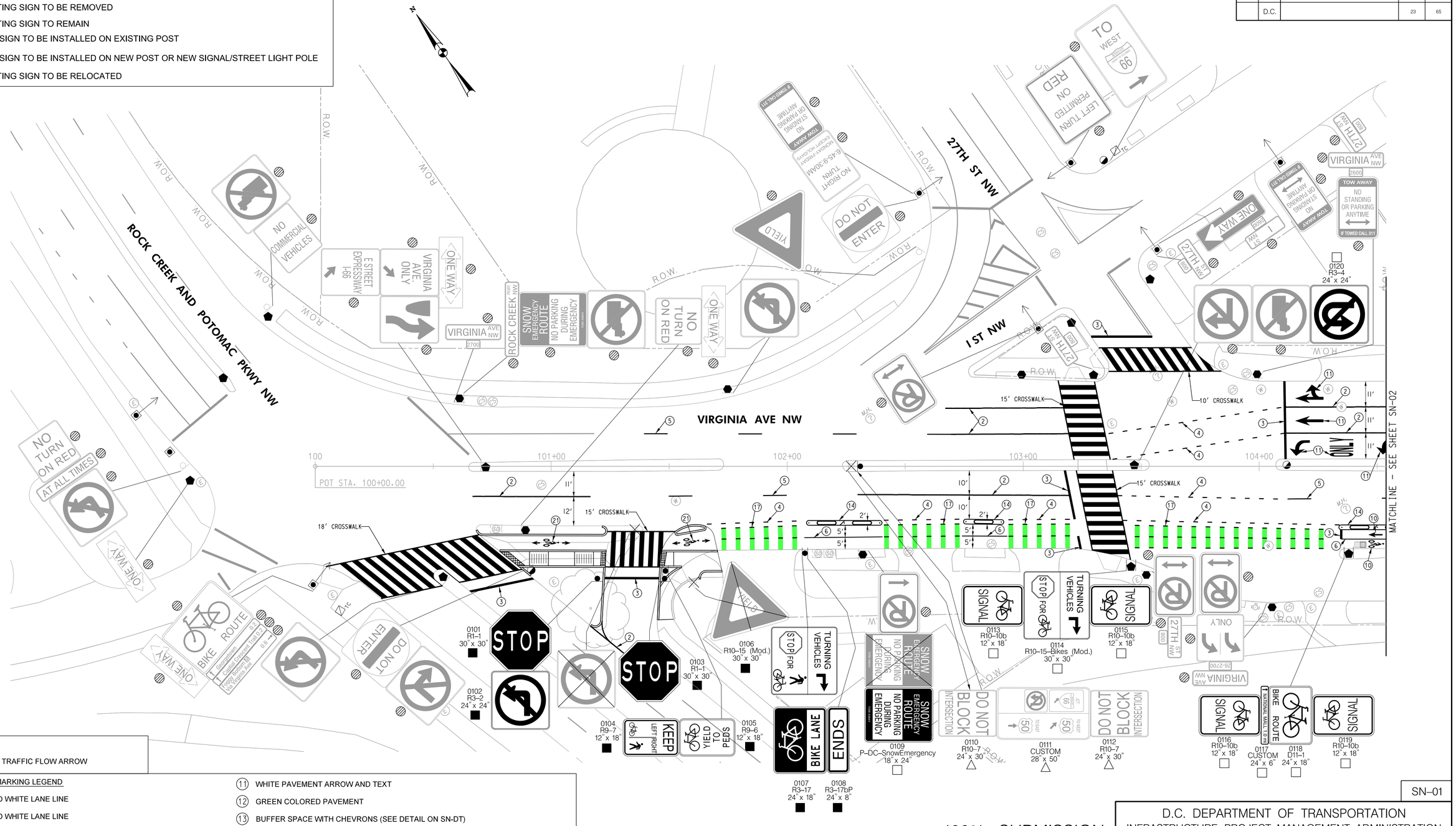
SHEET 22 OF 65

$PENTBLS$
$PLTDRVS$
Q:\2017\17I2985_15B_VA_PBL_Final\CADD\pSN-000I_VAAVE.dgn
Tuesday, March 30, 2021 AT 05:40 PM

SIGN LEGEND

- X EXISTING SIGN TO BE REMOVED
- ▨ EXISTING SIGN TO REMAIN
- □ NEW SIGN TO BE INSTALLED ON EXISTING POST
- ■ NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		23	65



LEGEND

⇨ TRAFFIC FLOW ARROW

PAVEMENT MARKING LEGEND

1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
4. 4" DOTTED WHITE LANE LINE (2' STRIPE, 4' SKIP)
5. 4" DASHED WHITE LANE LINE (10' STRIPE, 30' SKIP)
6. 4" SOLID YELLOW LANE LINE
7. 4" DOUBLE SOLID YELLOW CENTER LINE (4" APART)
8. 4" DASHED YELLOW LANE LINE (3' STRIPE, 9' SKIP)
9. 4" DOTTED YELLOW LANE LINE (2' STRIPE, 4' SKIP)
10. WHITE BICYCLE LANE SYMBOL (SEE DETAIL ON SHEET SN-DT)
11. WHITE PAVEMENT ARROW AND TEXT
12. GREEN COLORED PAVEMENT
13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
16. GREEN BICYCLE CROSSING FOR ONE WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
17. GREEN BICYCLE CROSSING FOR TWO WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
18. TWO STAGE TURN QUEUE BOX (SEE DETAIL ON SN-DT)
19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

20' 0 20' 40'

SCALE: 1"=20'

100% SUBMISSION

NOT FOR CONSTRUCTION

MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION

INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION

PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF

DATE

FILE

SHEET 23 OF 65

SN-01

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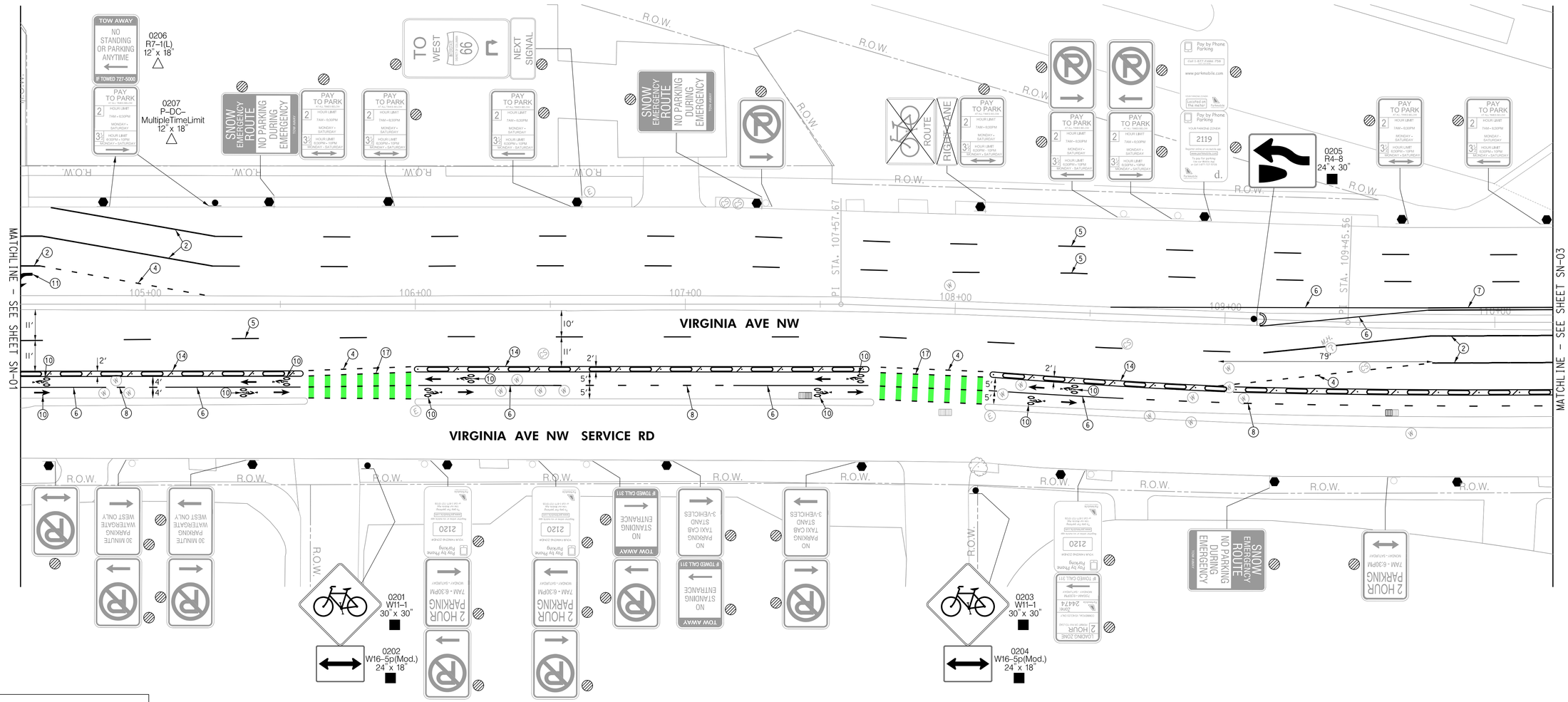
Tuesday, March 30, 2021 AT 05:42 PM
$PLTDRVS$
$PENTBLS$

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		24	65

SIGN LEGEND

- X EXISTING SIGN TO BE REMOVED
- ▨ EXISTING SIGN TO REMAIN
- □ NEW SIGN TO BE INSTALLED ON EXISTING POST
- ■ NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED



LEGEND

⇨ TRAFFIC FLOW ARROW

PAVEMENT MARKING LEGEND

1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
4. 4" DOTTED WHITE LANE LINE (2' STRIPE, 4' SKIP)
5. 4" DASHED WHITE LANE LINE (10' STRIPE, 30' SKIP)
6. 4" SOLID YELLOW LANE LINE
7. 4" DOUBLE SOLID YELLOW CENTER LINE (4" APART)
8. 4" DASHED YELLOW LANE LINE (3' STRIPE, 9' SKIP)
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10. WHITE BICYCLE LANE SYMBOL (SEE DETAIL ON SHEET SN-DT)
11. WHITE PAVEMENT ARROW AND TEXT
12. GREEN COLORED PAVEMENT
13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
16. GREEN BICYCLE CROSSING FOR ONE WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
17. GREEN BICYCLE CROSSING FOR TWO WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
18. TWO STAGE TURN QUEUE BOX (SEE DETAIL ON SN-DT)
19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE
	REVISIONS		

SN–02

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 24 OF 65

$PENTBL.S$
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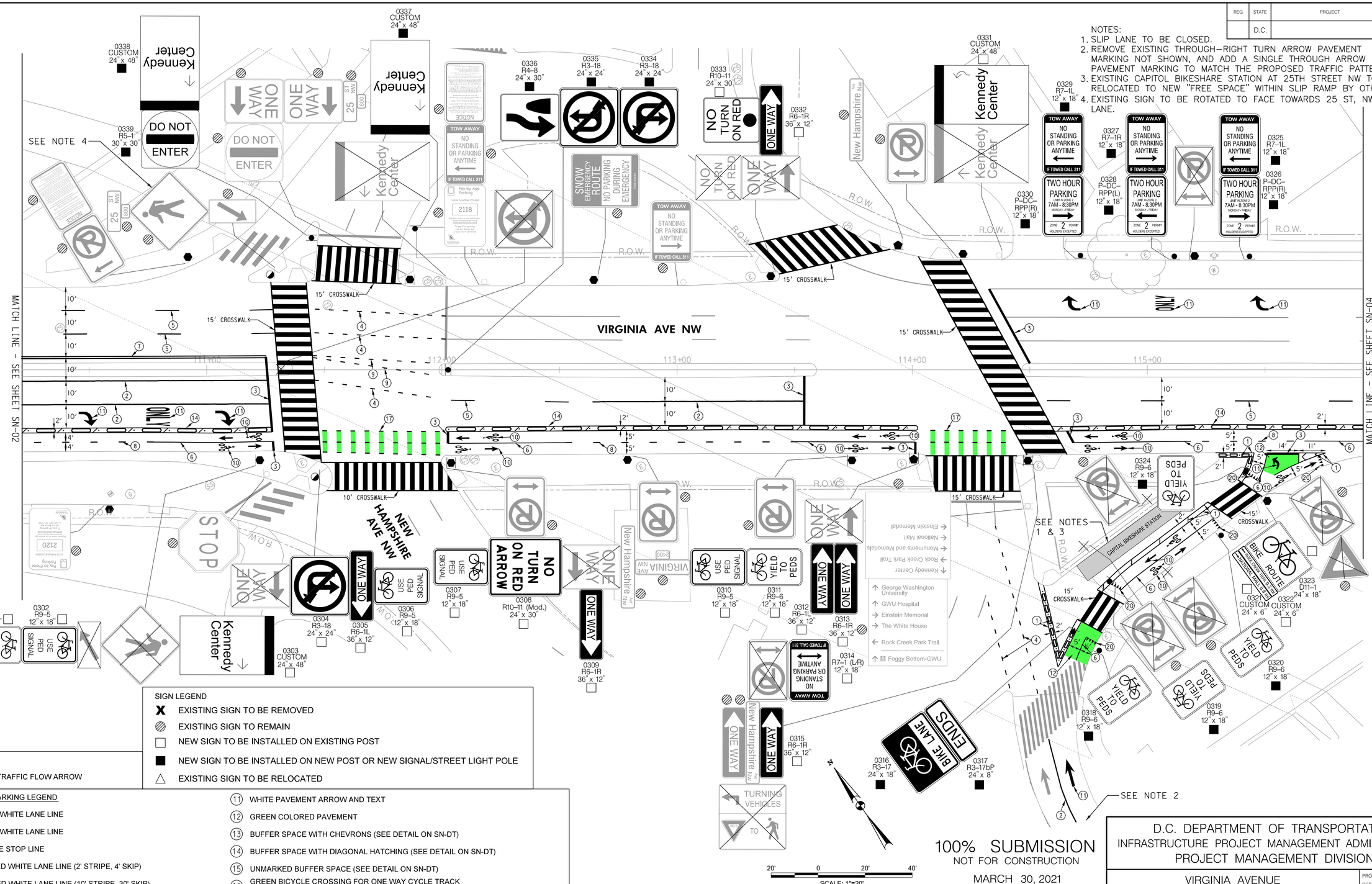
Tuesday, March 30, 2021 AT 05:42 PM
$PLTDRVS$

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		25	65

NOTES:
1. SLIP LANE TO BE CLOSED.
2. REMOVE EXISTING THROUGH–RIGHT TURN ARROW PAVEMENT MARKING NOT SHOWN, AND ADD A SINGLE THROUGH ARROW PAVEMENT MARKING TO MATCH THE PROPOSED TRAFFIC PATTERN.
3. EXISTING CAPITOL BIKESHARE STATION AT 25TH STREET NW TO BE RELOCATED TO NEW "FREE SPACE" WITHIN SLIP RAMP BY OTHERS.
4. EXISTING SIGN TO BE ROTATED TO FACE TOWARDS 25 ST, NW SLIP LANE.



SIGN LEGEND
- ✕ EXISTING SIGN TO BE REMOVED
- ▨ EXISTING SIGN TO REMAIN
- □ NEW SIGN TO BE INSTALLED ON EXISTING POST
- ■ NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED

LEGEND
- ⇨ TRAFFIC FLOW ARROW

PAVEMENT MARKING LEGEND
1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
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12. GREEN COLORED PAVEMENT
13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
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17. GREEN BICYCLE CROSSING FOR TWO WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
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19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE
	REVISIONS		

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE

SHEET 25 OF 65

SN–03

$PENTBLS$
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$PLTDRVS$
Tuesday, March 30, 2021 AT 05:44 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		26	65

VIRGINIA AVE NW

G ST NW

24TH ST NW

23RD ST.

MATCH LINE - SEE SHEET SN-03

MATCH LINE - SEE SHEET SN-05

116+00 117+00 118+00 119+00 120+00 121+00

0401 R10–15 (Mod.) 30" x 30"

0402 W11–1 30" x 30"

0403 W16–5p(Mod.) 24" x 18"

0404 R7–1 (L/R) 12" x 18"

0405 R7–1 (L/R) 12" x 18"

0406 R10–11 24" x 30"

0407 R4–1 18" x 24"

0408 R7–1(L/R) 12" x 18"

0409 CUSTOM 12" x 21"

0410 R10–11 24" x 30"

0411 R10–15 (Mod.) 30" x 30"

0412 R7–1(R) 12" x 18"

0413 P–DC–RPP(L) 12" x 18"

0414 R7–1(L) 12" x 18"

0415 P–DC–RPP(R) 12" x 18"

0416 R7–1(R) 12" x 18"

0417 P–DC–RPP(L) 12" x 18"

LEGEND

⇨ TRAFFIC FLOW ARROW

NOTES

1. PROPOSED SIGNS 0406 & 0410 SHALL BE MOUNTED ON THE MAST ARM.

PAVEMENT MARKING LEGEND

1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
4. 4" DOTTED WHITE LANE LINE (2' STRIPE, 4' SKIP)
5. 4" DASHED WHITE LANE LINE (10' STRIPE, 30' SKIP)
6. 4" SOLID YELLOW LANE LINE
7. 4" DOUBLE SOLID YELLOW CENTER LINE (4" APART)
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13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
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18. TWO STAGE TURN QUEUE BOX (SEE DETAIL ON SN-DT)
19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

SIGN LEGEND

- X EXISTING SIGN TO BE REMOVED
- ▨ EXISTING SIGN TO REMAIN
- □ NEW SIGN TO BE INSTALLED ON EXISTING POST
- ■ NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED

SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE
	REVISIONS		

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 26 OF 65

SN–04

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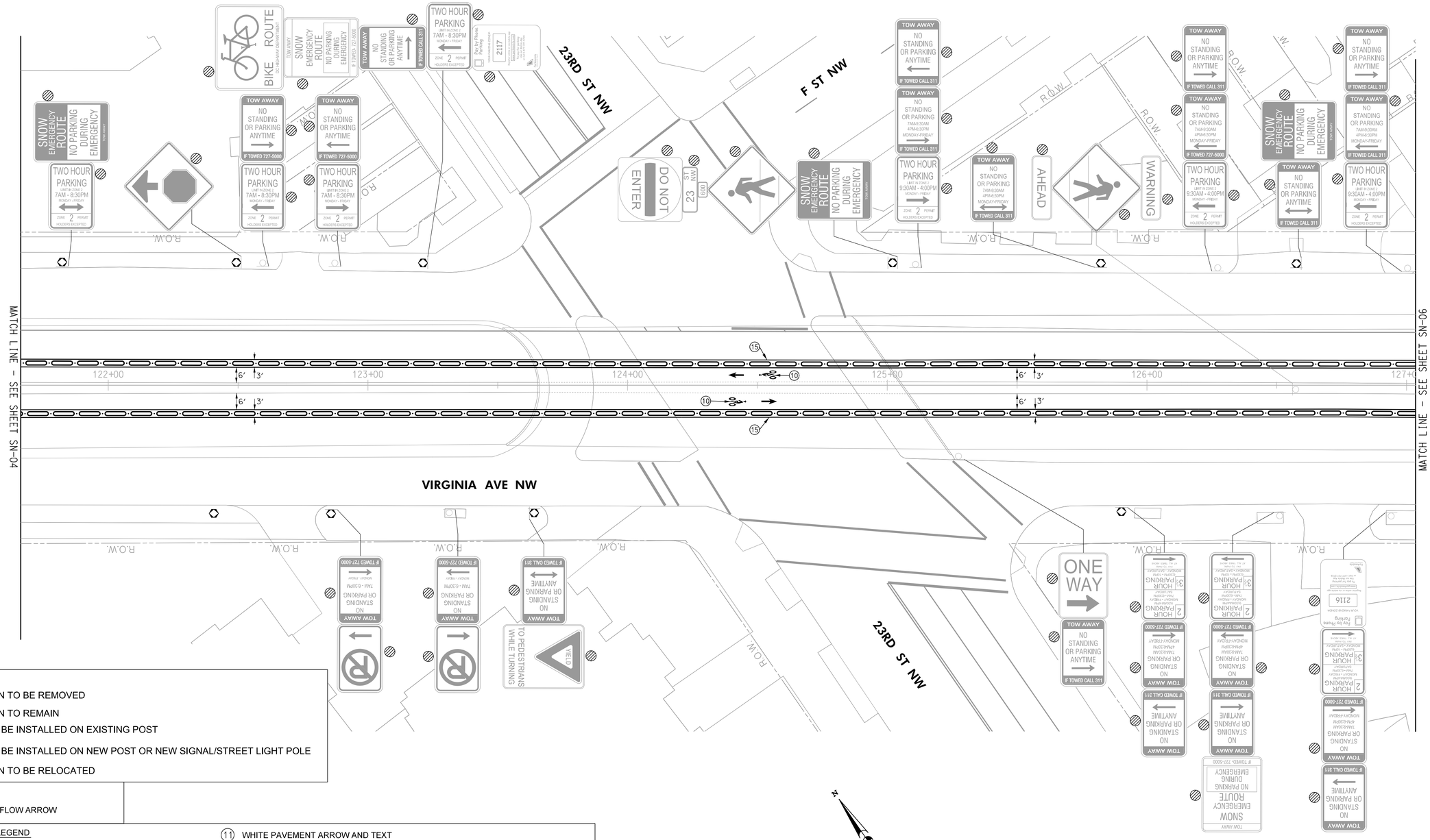
Tuesday, March 30, 2021 AT 05:44 PM

$PENTBLS$
$PLTDRVS$

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		27	65



SIGN LEGEND

- ✕ EXISTING SIGN TO BE REMOVED
- ▨ EXISTING SIGN TO REMAIN
- □ NEW SIGN TO BE INSTALLED ON EXISTING POST
- ■ NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED

LEGEND

⇨ TRAFFIC FLOW ARROW

PAVEMENT MARKING LEGEND

1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
4. 4" DOTTED WHITE LANE LINE (2' STRIPE, 4' SKIP)
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6. 4" SOLID YELLOW LANE LINE
7. 4" DOUBLE SOLID YELLOW CENTER LINE (4" APART)
8. 4" DASHED YELLOW LANE LINE (3' STRIPE, 9' SKIP)
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10. WHITE BICYCLE LANE SYMBOL (SEE DETAIL ON SHEET SN-DT)
11. WHITE PAVEMENT ARROW AND TEXT
12. GREEN COLORED PAVEMENT
13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
16. GREEN BICYCLE CROSSING FOR ONE WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
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18. TWO STAGE TURN QUEUE BOX (SEE DETAIL ON SN-DT)
19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

N

20' 0 20' 40'

SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 27 OF 65

SN–05

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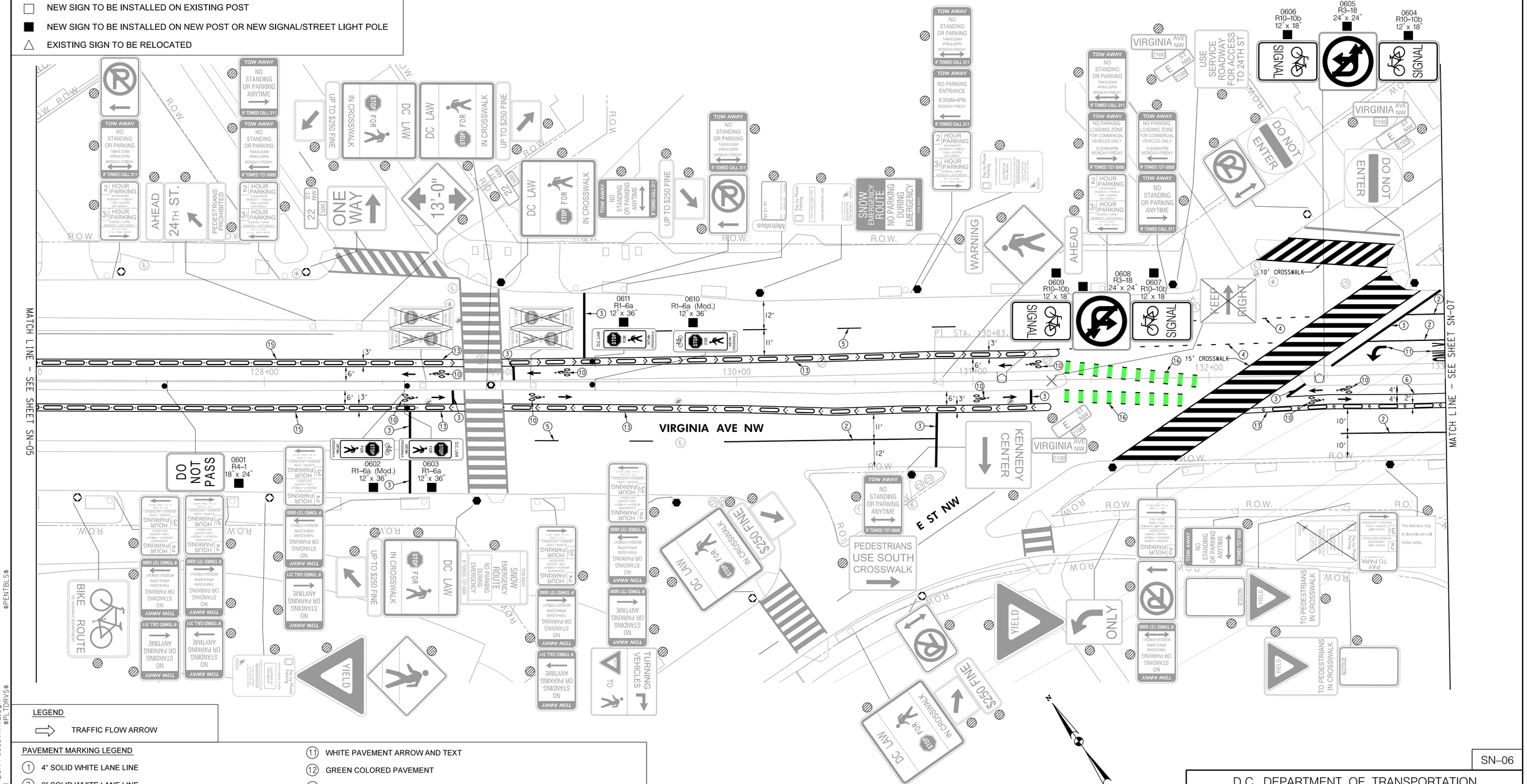
Tuesday, March 30, 2021 AT 05:44 PM
$PENTBLS$
$PLTDRVS$

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		28	65

SIGN LEGEND

- X EXISTING SIGN TO BE REMOVED
- ⊘ EXISTING SIGN TO REMAIN
- □ NEW SIGN TO BE INSTALLED ON EXISTING POST
- ■ NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED



LEGEND

⇨ TRAFFIC FLOW ARROW

PAVEMENT MARKING LEGEND

1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
4. 4" DOTTED WHITE LANE LINE (2' STRIPE, 4' SKIP)
5. 4" DASHED WHITE LANE LINE (10' STRIPE, 30' SKIP)
6. 4" SOLID YELLOW LANE LINE
7. 4" DOUBLE SOLID YELLOW CENTER LINE (4" APART)
8. 4" DASHED YELLOW LANE LINE (3' STRIPE, 9' SKIP)
9. 4" DOTTED YELLOW LANE LINE (2' STRIPE, 4' SKIP)
10. WHITE BICYCLE LANE SYMBOL (SEE DETAIL ON SHEET SN-DT)
11. WHITE PAVEMENT ARROW AND TEXT
12. GREEN COLORED PAVEMENT
13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
16. GREEN BICYCLE CROSSING FOR ONE WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
17. GREEN BICYCLE CROSSING FOR TWO WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
18. TWO STAGE TURN QUEUE BOX (SEE DETAIL ON SN-DT)
19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO	DESCRIPTION	NAME	DATE
	REVISIONS		

SN–06

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE

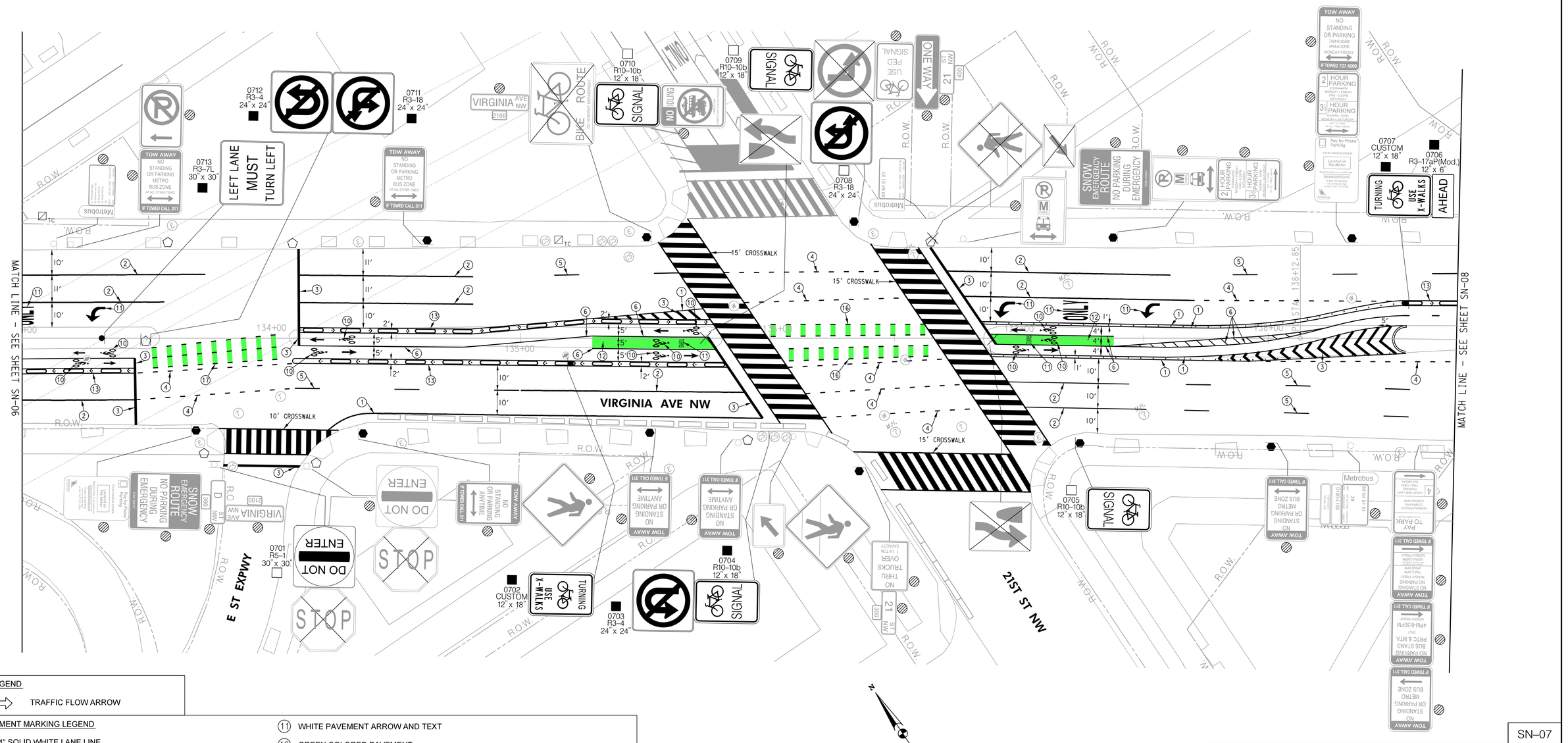
SHEET 28 OF 65

Q:\2017\1712985_15B_VA_PBL_Final\CADD\pSN-P006_VAAVE.dgn
Tuesday, March 30, 2021 AT 05:44 PM
$PENTBLS$
$PLTDRVS$

SIGN LEGEND

- X EXISTING SIGN TO BE REMOVED
- EXISTING SIGN TO REMAIN
- NEW SIGN TO BE INSTALLED ON EXISTING POST
- NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		29	65



LEGEND

⇨ TRAFFIC FLOW ARROW

PAVEMENT MARKING LEGEND

1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
4. 4" DOTTED WHITE LANE LINE (2' STRIPE, 4' SKIP)
5. 4" DASHED WHITE LANE LINE (10' STRIPE, 30' SKIP)
6. 4" SOLID YELLOW LANE LINE
7. 4" DOUBLE SOLID YELLOW CENTER LINE (4" APART)
8. 4" DASHED YELLOW LANE LINE (3' STRIPE, 9' SKIP)
9. 4" DOTTED YELLOW LANE LINE (2' STRIPE, 4' SKIP)
10. WHITE BICYCLE LANE SYMBOL (SEE DETAIL ON SHEET SN-DT)
11. WHITE PAVEMENT ARROW AND TEXT
12. GREEN COLORED PAVEMENT
13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
16. GREEN BICYCLE CROSSING FOR ONE WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
17. GREEN BICYCLE CROSSING FOR TWO WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
18. TWO STAGE TURN QUEUE BOX (SEE DETAIL ON SN-DT)
19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

N

SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

SN–07

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE

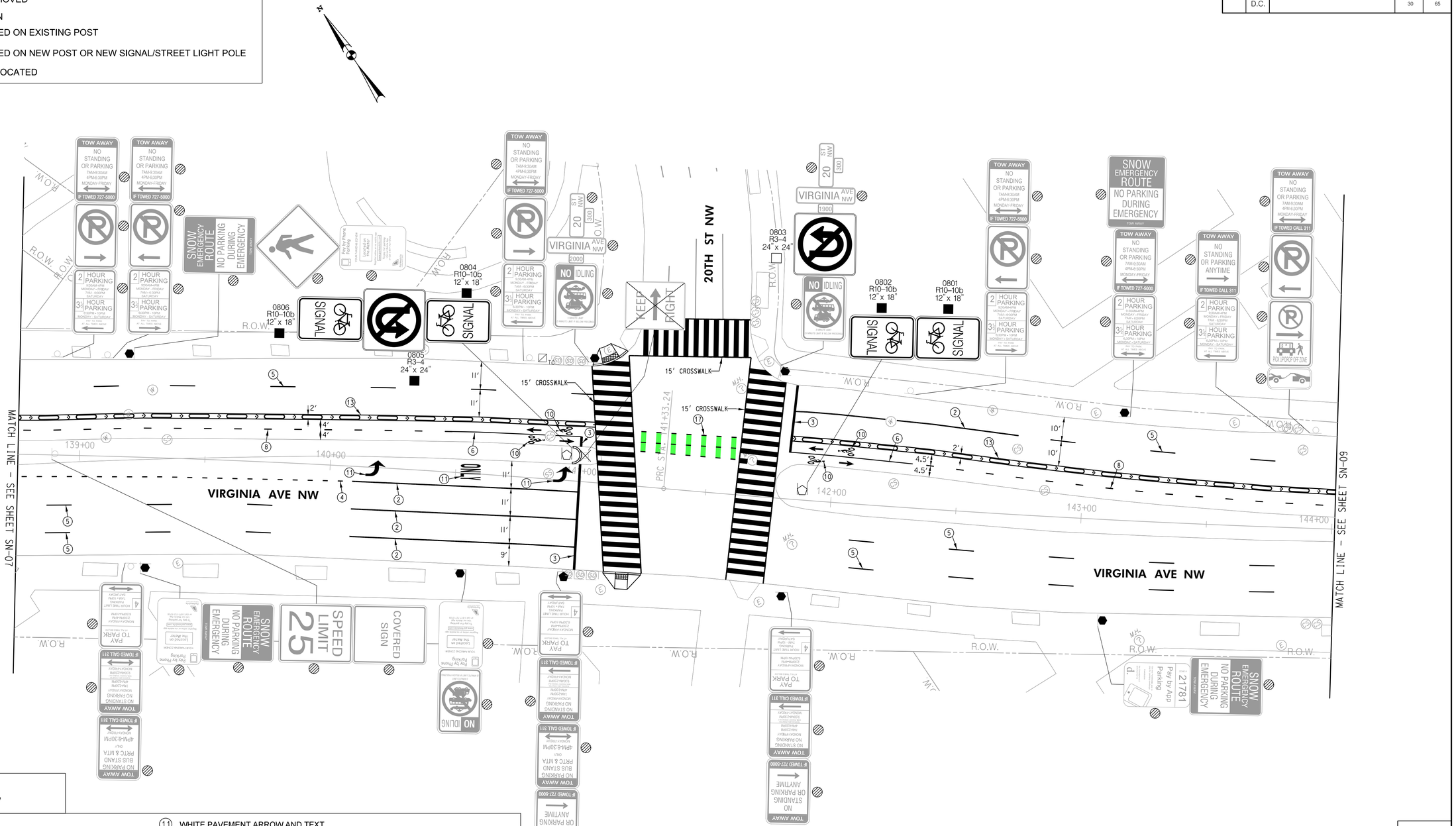
SHEET 29 OF 65

C:\2017\712985_15B_VA_PBL_Final\CADD\pSN-P007_VAAVE.dgn $PLTDRVS$ $PENTBLS$
Tuesday, March 30, 2021 AT 05:44 PM

SIGN LEGEND

- X EXISTING SIGN TO BE REMOVED
- ▨ EXISTING SIGN TO REMAIN
- □ NEW SIGN TO BE INSTALLED ON EXISTING POST
- ■ NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		30	65



LEGEND

⇨ TRAFFIC FLOW ARROW

PAVEMENT MARKING LEGEND

1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
4. 4" DOTTED WHITE LANE LINE (2' STRIPE, 4' SKIP)
5. 4" DASHED WHITE LANE LINE (10' STRIPE, 30' SKIP)
6. 4" SOLID YELLOW LANE LINE
7. 4" DOUBLE SOLID YELLOW CENTER LINE (4" APART)
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10. WHITE BICYCLE LANE SYMBOL (SEE DETAIL ON SHEET SN-DT)
11. WHITE PAVEMENT ARROW AND TEXT
12. GREEN COLORED PAVEMENT
13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
16. GREEN BICYCLE CROSSING FOR ONE WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
17. GREEN BICYCLE CROSSING FOR TWO WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
18. TWO STAGE TURN QUEUE BOX (SEE DETAIL ON SN-DT)
19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

20′ 0 20′ 40′
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO	DESCRIPTION	NAME	DATE
	REVISIONS		

SN–08

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

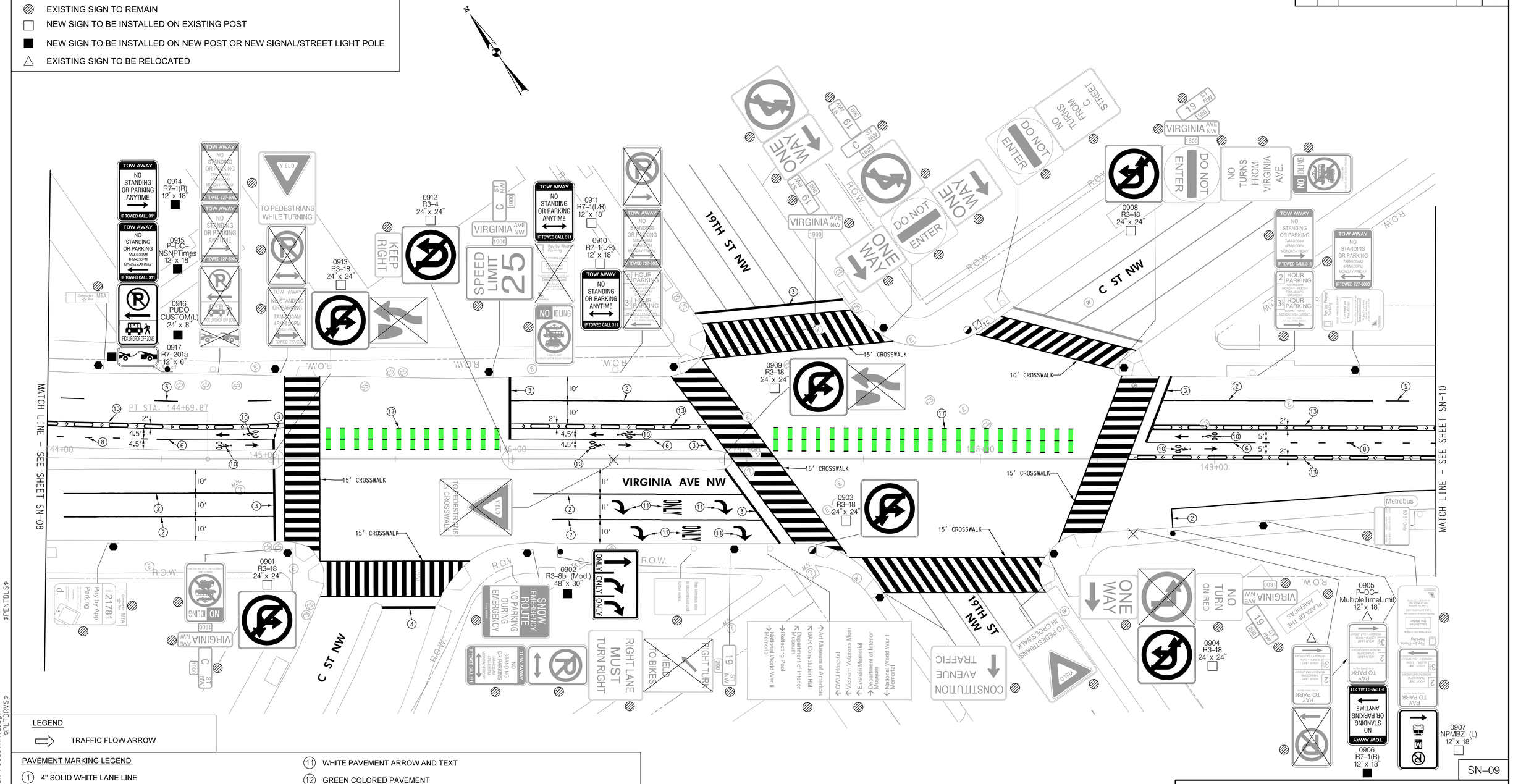
DIVISION CHIEF
DATE
FILE

SHEET 30 OF 65

SIGN LEGEND

- X EXISTING SIGN TO BE REMOVED
- ▨ EXISTING SIGN TO REMAIN
- □ NEW SIGN TO BE INSTALLED ON EXISTING POST
- ■ NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		31	65



LEGEND

⇨ TRAFFIC FLOW ARROW

PAVEMENT MARKING LEGEND

1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
4. 4" DOTTED WHITE LANE LINE (2' STRIPE, 4' SKIP)
5. 4" DASHED WHITE LANE LINE (10' STRIPE, 30' SKIP)
6. 4" SOLID YELLOW LANE LINE
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10. WHITE BICYCLE LANE SYMBOL (SEE DETAIL ON SHEET SN-DT)
11. WHITE PAVEMENT ARROW AND TEXT
12. GREEN COLORED PAVEMENT
13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
16. GREEN BICYCLE CROSSING FOR ONE WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
17. GREEN BICYCLE CROSSING FOR TWO WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
18. TWO STAGE TURN QUEUE BOX (SEE DETAIL ON SN-DT)
19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE
	REVISIONS		

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 31 OF 65

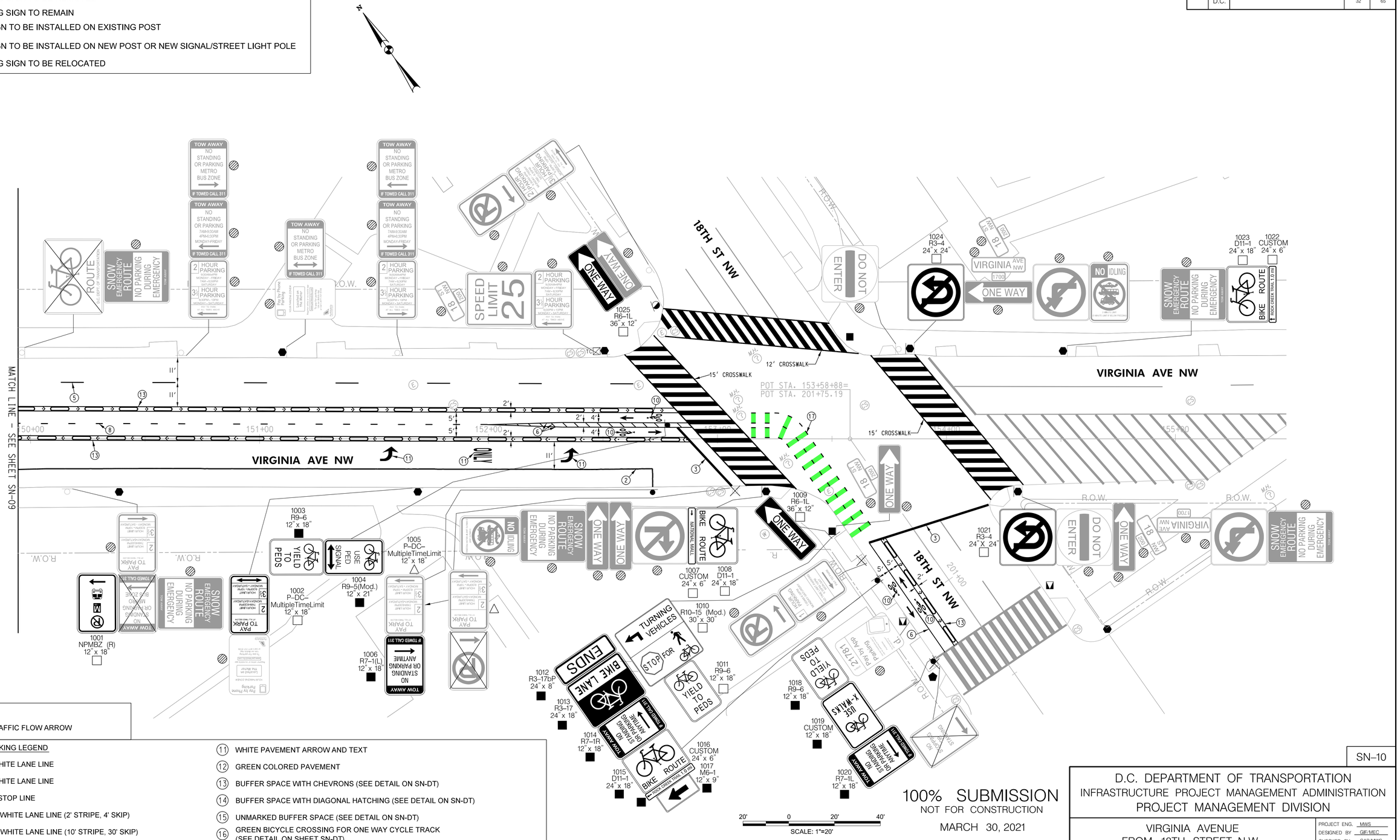
SN–09

D:\2017\17I2985_I5B_VA_PBL_Final\CADD\pSN-P009_VAAVE.dgn $PENTBLS$ $PLTDRVS$
Tuesday, March 30, 2021 AT 05:45 PM

SIGN LEGEND

- X EXISTING SIGN TO BE REMOVED
- ▨ EXISTING SIGN TO REMAIN
- □ NEW SIGN TO BE INSTALLED ON EXISTING POST
- ■ NEW SIGN TO BE INSTALLED ON NEW POST OR NEW SIGNAL/STREET LIGHT POLE
- △ EXISTING SIGN TO BE RELOCATED

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		32	65



LEGEND

⇨ TRAFFIC FLOW ARROW

PAVEMENT MARKING LEGEND

1. 4" SOLID WHITE LANE LINE
2. 6" SOLID WHITE LANE LINE
3. 12" WHITE STOP LINE
4. 4" DOTTED WHITE LANE LINE (2' STRIPE, 4' SKIP)
5. 4" DASHED WHITE LANE LINE (10' STRIPE, 30' SKIP)
6. 4" SOLID YELLOW LANE LINE
7. 4" DOUBLE SOLID YELLOW CENTER LINE (4" APART)
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10. WHITE BICYCLE LANE SYMBOL (SEE DETAIL ON SHEET SN-DT)
11. WHITE PAVEMENT ARROW AND TEXT
12. GREEN COLORED PAVEMENT
13. BUFFER SPACE WITH CHEVRONS (SEE DETAIL ON SN-DT)
14. BUFFER SPACE WITH DIAGONAL HATCHING (SEE DETAIL ON SN-DT)
15. UNMARKED BUFFER SPACE (SEE DETAIL ON SN-DT)
16. GREEN BICYCLE CROSSING FOR ONE WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
17. GREEN BICYCLE CROSSING FOR TWO WAY CYCLE TRACK (SEE DETAIL ON SHEET SN-DT)
18. TWO STAGE TURN QUEUE BOX (SEE DETAIL ON SN-DT)
19. GREEN BIKE BOX WITH BIKE SYMBOL (SEE DETAIL ON SN-DT)
20. SOLID WHITE YIELD TRIANGLES (9"x 13.5")
21. TWO-WAY BIKE TRAFFIC SYMBOL (SEE DETAIL ON SN-DT)

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

SN–10

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SIGNING AND PAVEMENT MARKING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 32 OF 65

Q:\2017\T12985_15B_VA_PBL_Final\CADD\pSN-P010_VAAVE.dgn $PLTDRVS$ $PENTBLS$
Tuesday, March 30, 2021 AT 05:45 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		33	65

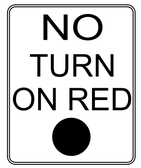
R1-1
30"x 30"
(Quantity:)

R3-2
24"x24"
(Quantity:)

R3-4
24"x 24"
(Quantity:)

R3-18L
24"x24"
(Quantity:)

R5-1
30"x30"
(Quantity:)



R10-11
24"x 30"
(Quantity:)

R10-11 (Mod.)
24"x 30"
(Quantity:)

R4-8
24"x 30"
(Quantity:)

R3-7
30"x30"
(Quantity:)

CUSTOM
24"x 48"
(Quantity:)

CUSTOM
24"x 48"
(Quantity:)

CUSTOM
24"x 48"
(Quantity:)

D11-1
24"x 18"
(Quantity:)

R3-17
24"x 18"
(Quantity:)

P-DC-SnowEmergency
18"x 24"
(Quantity:)

R4-1
18"x 24"
(Quantity:)

R7-1(L)
12"x18"
(Quantity:)

R7-1 (L/R)
12"x18"
(Quantity:)

R7-1(R)
12"x18"
(Quantity:)

P-DC-RPP(L)
12"x18"
(Quantity:)

P-DC-RPP(R)
12"x18"
(Quantity:)

P-DC-NSNPT1mes
12"x18"
(Quantity:)

P-DC-MultipleT1meL1mit
12"x18"
(Quantity:)

NPMBZ (R)
12"x18"
(Quantity:)

NPMBZ (L)
12"x18"
(Quantity:)

PUDO CUSTOM (L)
12"x18"
(Quantity:)

R10-10b
12"x18"
(Quantity:)

R9-5
12"x 18"
(Quantity:)

R9-6
12"x18"
(Quantity:)

CUSTOM
12"x 18"
(Quantity:)

CUSTOM
12"x 18"
(Quantity:)

R9-7
12"x18"
(Quantity:)

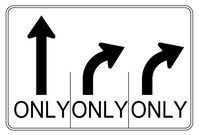
R9-5 (Mod.)
12"x 21"
(Quantity:)

R10-15 (Mod.)
30"x 30"
(Quantity:)

R10-15 (Mod.)
30"x 30"
(Quantity:)

R10-15-Bikes (Mod.)
30"x 30"
(Quantity:)

R10-15-Bikes (Mod.)
30"x 30"
(Quantity:)



R3-8b (Mod.)
48"x 30"
(Quantity:)

R6-1 L
36"x 12"
(Quantity:)

R6-1 R
36"x 12"
(Quantity:)

R3-17bP
24"x 8"
(Quantity:)

M6-1
12"x 9"
(Quantity:)

R7-20a
12"x 6"
(Quantity:)

R3-17aP (Mod.)
12"x 6"
(Quantity:)

W16-5p(Mod.)
24"x 18"
(Quantity:)

CUSTOM
24"x 6"
(Quantity:)

CUSTOM
24"x 6"
(Quantity:)

CUSTOM
24"x 6"
(Quantity:)

CUSTOM
24"x 6"
(Quantity:)

CUSTOM
24"x 6"
(Quantity:)

CUSTOM
24"x 6"
(Quantity:)

W11-1
30"x 30"
(Quantity:)

R1-6a
12"x 36"
(Quantity:)

R1-6a (Mod.)
12"x 36"
(Quantity:)

20' 0 20' 40'

SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO	DESCRIPTION	NAME	DATE

REVISIONS

SN–11

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

PROPOSED SIGN SCHEDULE

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

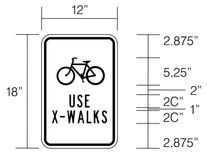
DIVISION CHIEF
DATE
FILE

SHEET 33 OF 65

Q:\2017\I72985_I5B_VA_PBL_Final\CADD\xpSN-P011_SignSchedule_VAAVE.dgn $PENTBLS$
Tuesday, March 30, 2021 AT 05:45 PM $PLTDRVS$

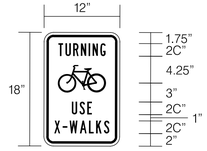
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		34	65

SIGN DETAIL



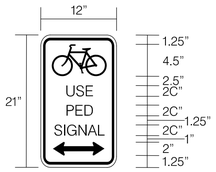
SIGN NUMBER	CUSTOM
WIDTH x HGHT.	12" x 18"
BORDER WIDTH	5/8"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SIGN DETAIL



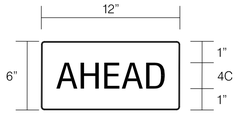
SIGN NUMBER	CUSTOM
WIDTH x HGHT.	12" x 18"
BORDER WIDTH	5/8"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SIGN DETAIL



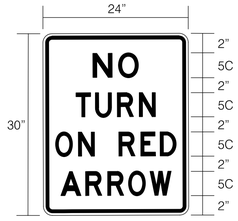
SIGN NUMBER	R9-5 (Mod.)
WIDTH x HGHT.	12" x 21"
BORDER WIDTH	5/8"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SIGN DETAIL



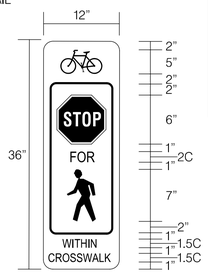
SIGN NUMBER	R3-17aP(Mod.)
WIDTH x HGHT.	12" x 6"
BORDER WIDTH	5/8"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SIGN DETAIL



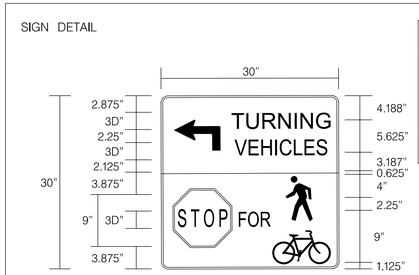
SIGN NUMBER	R10-11b (Mod.)
WIDTH x HGHT.	24" x 30"
BORDER WIDTH	5/8"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SIGN DETAIL



SIGN NUMBER	R1-6a (Mod.)
WIDTH x HGHT.	12" x 36"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

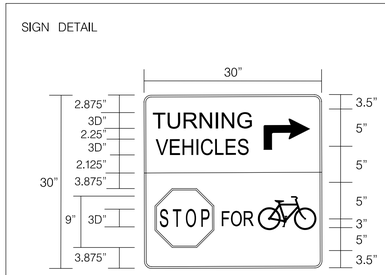
SIGN DETAIL



SIGN NUMBER	R10-15 (Mod.)
WIDTH x HGHT.	30" x 30"
BORDER WIDTH	5/8"
CORNER RADIUS	1.875"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Top: Yellow Bottom: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Top: Black Bottom: Black

Stop symbol is red with white text

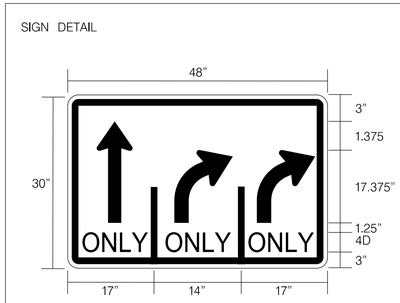
SIGN DETAIL



SIGN NUMBER	R10-15-Bikes (Mod.)
WIDTH x HGHT.	30" x 30"
BORDER WIDTH	5/8"
CORNER RADIUS	1.875"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Top: Yellow Bottom: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Top: Black Bottom: Black

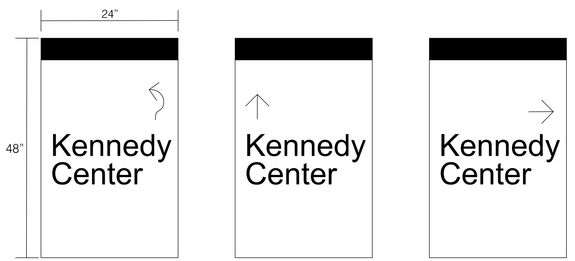
Stop symbol is red with white text

SIGN DETAIL

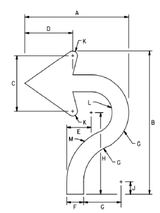


SIGN NUMBER	R3-8b (Mod.)
WIDTH x HGHT.	48" x 30"
BORDER WIDTH	5/8"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SIGN DETAIL



NOTE:
CONTRACTOR TO MATCH EXISTING COLOR AND DETAIL FOR ALL PROPOSED KENNEDY CENTER SIGNS.



SIGN SIZE	DIMENSIONS (INCHES)											
	A	B	C	D	E	F	G	H	J	K	L	M
MIN	7-45/64	10-5/8	4-5/32	3-17/32	1-49/64	1-1/4	2-25/32	6-3/64	31/32	23/64	1-17/32	4-1/32

20' 0 20' 40'

SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

SN-12

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

PROPOSED SIGN DETAILS

DIVISION CHIEF
DATE
FILE
SHEET 34 OF 65

$PENTBLS$

Q:\2017\7129B5_15B_VA_PBL_Final\CADD\pSN-P012_SignDetails_VAAve.dgn
Tuesday, March 30, 2021 AT 05:45 PM
$PLTDRVS$

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		35	65

GENERAL NOTES:

A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE. THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AND ALL MOUNTING HARDWARE AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
E. THE CONTRACTOR SHALL RETURN ALL REMOVED AND SALVAGED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP. CONTACT MR. HARVEY ALEXANDER 72 HOURS IN ADVANCE AT (202) 671-1485 TO ARRANGE SERVICE OR AS DIRECTED BY THE ENGINEER.
F. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FOOT CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
G. STREETLIGHT LUMINAIRES MUST BE MAINTAINED ALL THE TIME. USE PROPOSED STREETLIGHTS AS NECESSARY.
H. THE CONTRACTOR SHALL BUILD THIS PLAN IN ACCORDANCE WITH THE CONTRACT SPECIAL REVISIONS AND TERMS.
I. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
J. NO CHANGES FROM PLANS IN LOCATION OF THE SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
K. SEE SIGNING AND PAVEMENT MARKING PLANS FOR SIGNING AND PAVEMENT MARKING DETAILS.
L. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERMANENT RESTORATION OF ALL DISTURBED PAVEMENT, REPAIRED MARKINGS, CURBS, SIDEWALKS, AND LANDSCAPING IRRIGATION AREAS DURING CONSTRUCTION AND AT THE END OF CONSTRUCTION.
M. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED SHIELDED 7-CONDUCTOR 14 AWG STRANDED CABLE FROM EACH OF THE PROPOSED SIGNAL HEADS TO THE EXISTING CABINET VIA THE EXISTING CONDUIT SYSTEM INCLUDING EXISTING DDOT AND/OR PEPCO CONDUITS AND MANHOLES. THE CONTRACTOR SHALL IDENTIFY THE EXISTING MANHOLES AND CONDUIT PATHS IN THE FIELD AND MARK THEM NEATLY ON THE PLANS TO BE SUBMITTED AS PART OF THE AS-BUILT DRAWINGS. IF THE EXISTING CONDUIT PATH CANNOT BE IDENTIFIED OR IS OBSTRUCTED/DAMAGED THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT MR. HARVEY ALEXANDER (HARVEY.ALEXANDER@DC.GOV OR 202-671-1485) FOR ASSISTANCE.

CABLE NOTES:

A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL SIGNAL HEADS.

SPECIAL NOTES:

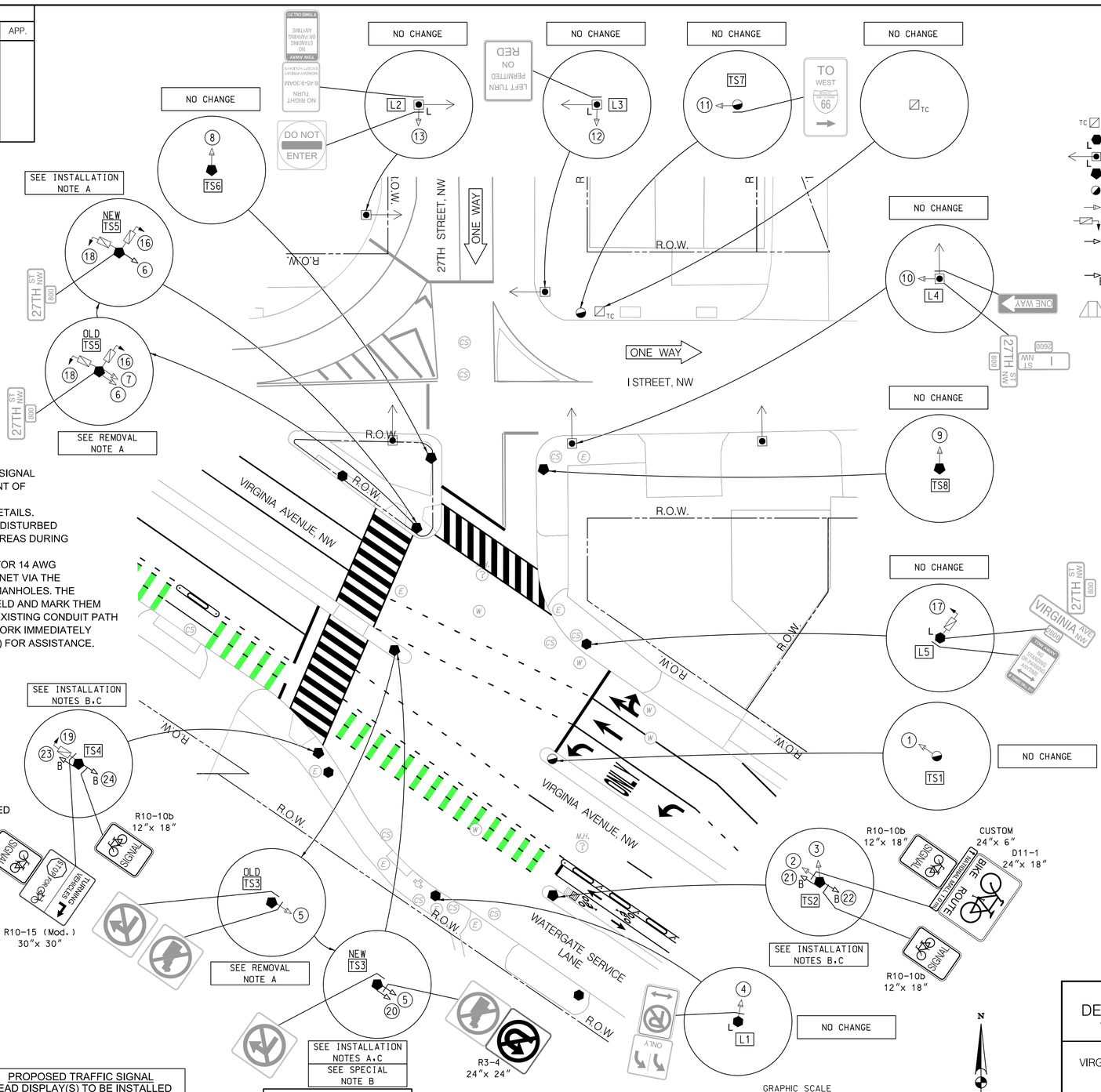
A. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PAVEMENT MARKINGS UNTIL PROPOSED MARKINGS AND OPERATION ARE READY TO BE INSTALLED/ACTIVATED.
B. SIGNAL HEAD NO. 5 AND 20 SHALL BE MOUNTED 3' APART LATERALLY.

INSTALLATION NOTES:

A. INSTALL LED TRAFFIC SIGNAL HEAD(S) WITH REFLECTIVE BACKPLATE.
B. INSTALL BICYCLE-ONLY LED TRAFFIC SIGNAL HEAD(S) WITH BACKPLATE.
C. INSTALL TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.

REMOVAL NOTES:

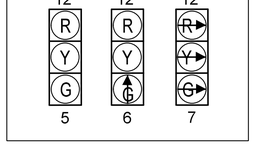
A. REMOVE EXISTING TRAFFIC SIGNAL HEAD(S).



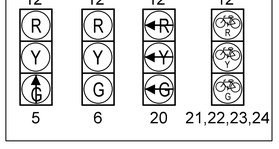
LEGEND:

- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- EXISTING TWIN 20 STREETLIGHT POLE WITH LUMINAIRES
- EXISTING PENDANT POST STREETLIGHT POLE WITH LUMINAIRE
- EXISTING 20 FOOT TRAFFIC SIGNAL POLE
- EXISTING AD-11 TRAFFIC SIGNAL POLE
- EXISTING 3 SECTION TRAFFIC SIGNAL HEAD
- EXISTING 2-SECTION COUNTDOWN PEDESTRIAN SIGNAL HEAD
- PROPOSED LED 3-SECTION TRAFFIC SIGNAL HEAD (ALL LENSES 12 INCHES)
- PROPOSED LED BICYCLE-ONLY TRAFFIC SIGNAL HEAD (ALL LENSES 12 INCHES)
- EXISTING ADA RAMP

EXISTING TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE REMOVED



PROPOSED TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE INSTALLED



100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 10 0 20 40
1" = 20'-0" HORIZ.

S.L.F. NO.
APPROVED BY DATE

SEQUENCE OF OPERATION DRAWING TS-285-T

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

VIRGINIA AVENUE, 27TH STREET AND I STREET, N.W.
TRAFFIC SIGNAL MODIFICATION

SUBMITTED: TRAFFIC SIGNAL PROJECT ENGINEER DATE
RECOMMENDED: TRAFFIC SIGNAL DESIGN PROJECT MANAGER DATE
ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER DATE
APPROVED: TRAFFIC SIGNAL PROGRAM MANAGER DATE

SG-01	
ACISA 1174	
FINAL	
FIELD CHECKED BY	IF
DESIGNED BY	MWS/IF
DRAWN BY	MWS/IF
REVIEWED BY	GAB/MWS
DATE	03 /30 /2021
SCALE	1" = 20'
SHEET / OF	1 / 1
DRAWING NO.	S-924-A

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		36	65

GENERAL NOTES:

A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE. THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AND ALL MOUNTING HARDWARE AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
E. THE CONTRACTOR SHALL RETURN ALL REMOVED AND SALVAGED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP. CONTACT MR. HARVEY ALEXANDER 72 HOURS IN ADVANCE AT (202) 671-1485 TO ARRANGE SERVICE OR AS DIRECTED BY THE ENGINEER.
F. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FOOT CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
G. STREETLIGHT LUMINAIRES MUST BE MAINTAINED ALL THE TIME. USE PROPOSED STREETLIGHTS AS NECESSARY.
H. THE CONTRACTOR SHALL BUILD THIS PLAN IN ACCORDANCE WITH THE CONTRACT SPECIAL REVISIONS AND TERMS.
I. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
J. NO CHANGES FROM PLANS IN LOCATION OF THE SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
K. SEE SIGNING AND PAVEMENT MARKING PLANS FOR SIGNING AND PAVEMENT MARKING DETAILS.
L. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERMANENT RESTORATION OF ALL DISTURBED PAVEMENT, REPAIRED MARKINGS, CURBS, SIDEWALKS, AND LANDSCAPING IRRIGATION AREAS DURING CONSTRUCTION AND AT THE END OF CONSTRUCTION.
M. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED SHIELDED 7-CONDUCTOR 14 AWG STRANDED CABLE FROM EACH OF THE PROPOSED SIGNAL HEADS TO THE EXISTING CABINET VIA THE EXISTING CONDUIT SYSTEM INCLUDING EXISTING DDOT AND/OR PEPCO CONDUITS AND MANHOLES. THE CONTRACTOR SHALL IDENTIFY THE EXISTING MANHOLES AND CONDUIT PATHS IN THE FIELD AND MARK THEM NEATLY ON THE PLANS TO BE SUBMITTED AS PART OF THE AS-BUILT DRAWINGS. IF THE EXISTING CONDUIT PATH CANNOT BE IDENTIFIED OR IS OBSTRUCTED/DAMAGED THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT MR. HARVEY ALEXANDER (HARVEY.ALEXANDER@DC.GOV OR 202-671-1485) FOR ASSISTANCE.

SPECIAL NOTES:

A. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PAVEMENT MARKINGS UNTIL PROPOSED MARKINGS AND OPERATION ARE READY TO BE INSTALLED/ACTIVATED.
B. SIGNAL HEAD NO. 8 AND 13 SHALL BE MOUNTED 3' APART LATERALLY.

INSTALLATION NOTES:

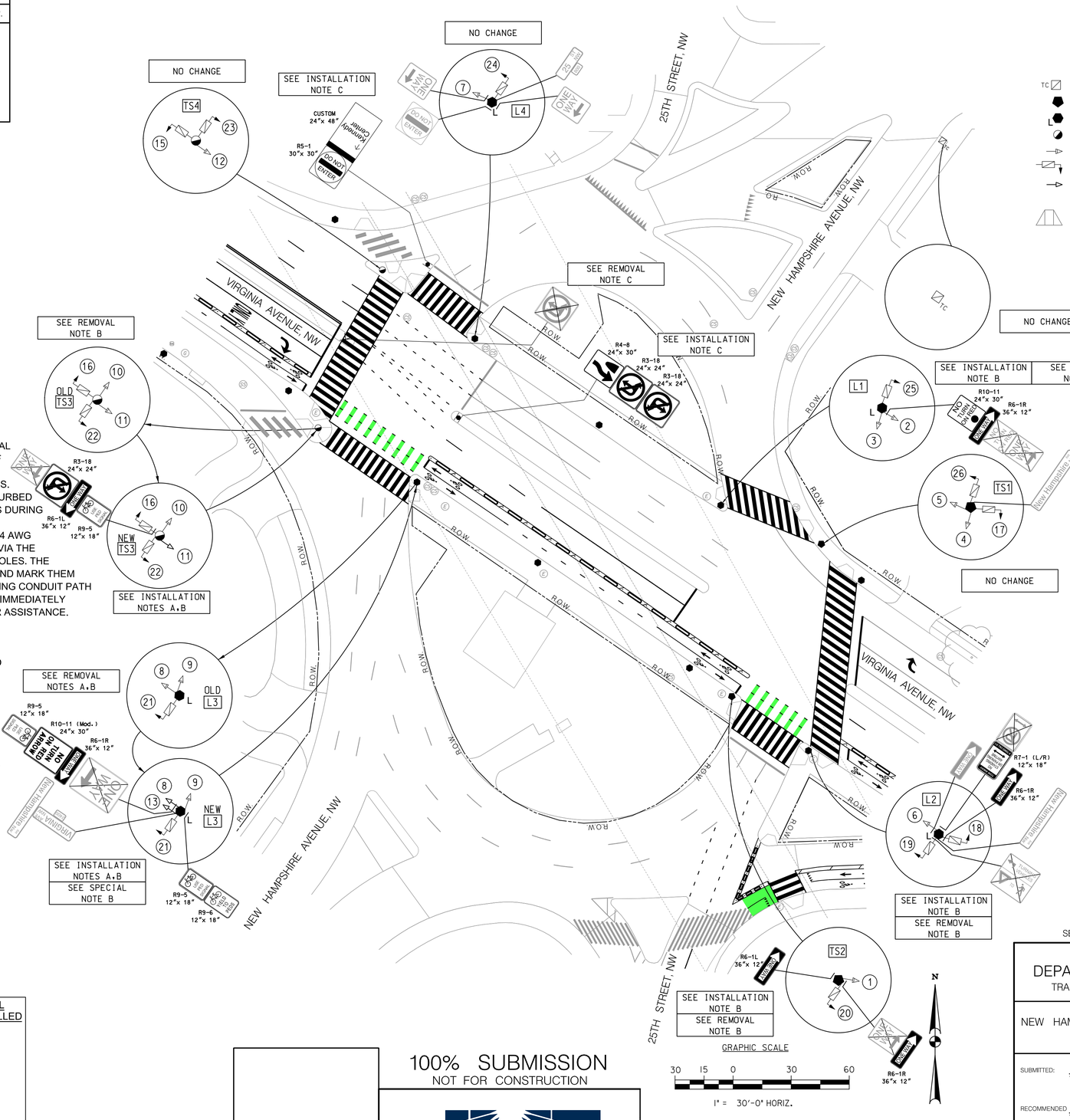
A. INSTALL LED TRAFFIC SIGNAL HEAD(S) WITH REFLECTIVE BACKPLATE.
B. INSTALL TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.
C. INSTALL TRAFFIC SIGN(S) AND U-POST PER THE SIGNING AND PAVEMENT MARKING PLANS.

REMOVAL NOTES:

A. REMOVE EXISTING TRAFFIC SIGNAL HEAD(S).
B. REMOVE EXISTING TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.
C. REMOVE EXISTING TRAFFIC SIGN(S) AND U-POST PER THE SIGNING AND PAVEMENT MARKING PLANS.

CABLE NOTES:

A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL SIGNAL HEADS.



LEGEND:

- TC — EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- EXISTING 20 FOOT TRAFFIC SIGNAL POLE
- L — EXISTING TWIN 20 STREETLIGHT POLE WITH LUMINAIRES
- EXISTING AD-11 TRAFFIC SIGNAL POLE
- EXISTING 3-SECTION TRAFFIC SIGNAL HEAD
- EXISTING 2-SECTION COUNTDOWN PEDESTRIAN SIGNAL HEAD
- PROPOSED 3-SECTION LED TRAFFIC SIGNAL HEAD (ALL LENSES 12 INCHES)
- EXISTING ADA RAMP

EXISTING TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE REMOVED

12" R Y G
8,11

PROPOSED TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE INSTALLED

12" R Y G 12" R Y G
8,11 13

100% SUBMISSION
NOT FOR CONSTRUCTION

S.L.F. NO.

APPROVED BY DATE

SEQUENCE OF OPERATION DRAWING TS-422-EE

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

NEW HAMPSHIRE AVENUE AND VIRGINIA AVENUE, N.W.
TRAFFIC SIGNAL MODIFICATION

SUBMITTED: TRAFFIC SIGNAL PROJECT ENGINEER DATE

RECOMMENDED TRAFFIC SIGNAL DESIGN PROJECT MANAGER DATE

ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER DATE

APPROVED TRAFFIC SIGNAL PROGRAM MANAGER DATE

SG-02	
ACISA 1187	
FINAL	
FIELD CHECKED BY	IF
DESIGNED BY	MWS/IF
DRAWN BY	MWS/IF
REVIEWED BY	GAB/MWS
DATE	03 /30 /2021
SCALE	1" = 30'
SHEET	1 OF 1
DRAWING NO.	S-794-A

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		37	65

GENERAL NOTES:

A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE. THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS, MANHOLES, POLE FOUNDATIONS, AND CONTROLLER CABINET FOUNDATION.
E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC AND PEDESTRIAN SIGNAL HEADS, TRAFFIC SIGNAL POLES, TRANSFORMER BASES, APS UNITS, TRAFFIC SIGNAL CONTROLLER, CABINET, AND ALL MOUNTING HARDWARE.
F. THE CONTRACTOR SHALL RETURN ALL REMOVED AND SALVAGED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP. CONTACT MR. HARVEY ALEXANDER 72 HOURS IN ADVANCE AT (202) 671-1495 TO ARRANGE SERVICE OR AS DIRECTED BY THE ENGINEER.
G. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FOOT CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
H. A NEW PEPCO ELECTRICAL SERVICE IS REQUIRED. THE CONTRACTOR SHALL COORDINATE SERVICE INSTALLATION AND PAYMENT WITH PEPCO IN ACCORDANCE WITH CONTRACT SPECIAL PROVISIONS.
I. STREETLIGHT LUMINAIRES MUST BE MAINTAINED ALL THE TIME. USE PROPOSED STREETLIGHTS AS NECESSARY.
J. THE CONTRACTOR SHALL BUILD THIS PLAN IN ACCORDANCE WITH THE CONTRACT SPECIAL REVISIONS AND TERMS.
K. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
L. NO CHANGES FROM PLANS IN LOCATION OF THE SUPPORTING STRUCTURES, SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
M. THE CONTRACTOR SHALL REMOVE ALL EXISTING TRAFFIC SIGNAL POLES, CONTROLLER CABINET, AND HARDWARE MOUNTED ON TEMPORARY, PORTABLE, CONCRETE BASES.
N. THE CONTRACTOR SHALL REMOVE ALL EXISTING TEMPORARY, PORTABLE, CONCRETE BASES.
O. SEE ROADWAY PLANS FOR GEOMETRIC MODIFICATION DETAILS.
P. SEE SIGNING AND PAVEMENT MARKING PLANS FOR GROUND MOUNTED SIGNING AND PAVEMENT MARKING DETAILS.
Q. ALL STREET TREES WITHIN OR DIRECTLY ADJACENT TO THE LIMITS OF WORK MUST BE PROTECTED WITH 6 FT. TALL CHAIN LINK FENCE TO THE EXTENT OF THE TREE BOX (MINIMUM 4'X9') OR THE DRIP LINE IN A PLANTING STRIP. THE DRIP LINE IS DEFINED AS THE GROUND AREA UNDER THE CANOPY OF A TREE. WHEN UTILITIES MUST BE INSTALLED WITHIN THE ROOT ZONE OF A STREET TREE, TUNNELING (PNEUMATIC EXCAVATION OR HYDROEXCAVATION) SHALL BE USED IN LIEU OF TRENCHING AND ROOT PRUNING. THE ROOT ZONE IS MEASURED FROM THE NEAR SIDE OF THE TRUNK TO THE DISTANCE THAT EQUALS THE TREE'S DIAMETER (MEASURED AT 4.5' ABOVE GRADE) X 1 FT. (PREFERRED DISTANCE OF 1.5 FEET). ALL PROTECTION MEASURES AND EXCAVATION OPERATIONS SHALL COMPLY WITH THE 2013 DISTRICT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES (GOLD BOOK) - SECTIONS 207.03, 608.07, AND 608.08. UTILITY WORK SHALL BE CONDUCTED SO AS TO AVOID INJURY TO TREE TRUNKS, BRANCHES, AND ROOTS. IF THERE ARE ANY TREE CONFLICTS ON THIS JOB SITE PERMIT HOLDER MUST SUSPEND ALL WORK THAT CONTRIBUTES TO THE CONFLICT AND IMMEDIATELY CONTACT SIMOUN BANUA, WARD 2 ARBORIST AT SIMOUN.BANUA@DC.GOV OR 202-557-4590 TO RECEIVE CLEARANCE TO CONTINUE THE CONFLICTING WORK.
R. ALL POLES SHALL BE FEDERAL BLACK IN COLOR. COMBINATION POLES SHALL BE 28.5' PENDANT POLES WITH DECORATIVE ARM AND TEARDROP FIXTURES.

INSTALLATION NOTES:

A. INSTALL TRAFFIC SIGNAL CONTROLLER CABINET FOUNDATION.
B. INSTALL TRAFFIC SIGNAL CONTROLLER CABINET.
C. INSTALL TRAFFIC SIGNAL CONTROLLER.
D. INSTALL 28.5 FT. TALL PENDANT POST STREETLIGHT POLE WITH STEEL TRANSFORMER BASE AND LED LUMINAIRE ON 15 IN. BOLT CIRCLE CONCRETE FOUNDATION AS PER DDOT STANDARD DRAWING 614.07 (TYPICAL GROUND MOUNTED PENDANT POLE).
E. INSTALL 20 FT. TALL TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE ON 15 IN. BOLT CIRCLE CONCRETE FOUNDATION AS PER DDOT STANDARD DRAWING 614.07 (TYPICAL GROUND MOUNTED PENDANT POLE).
F. INSTALL PUSHBUTTON POLE WITH BREAKAWAY STEEL TRANSFORMER BASE.
G. INSTALL LED TRAFFIC SIGNAL HEAD(S).
H. INSTALL LED COUNT-DOWN PEDESTRIAN SIGNAL HEAD(S).
I. INSTALL APS UNIT WITH SIGNS.
J. INSTALL 8-FOOT MAST ARM WITH CAP AND CLAMP.
K. INSTALL TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.
L. INSTALL TRAFFIC SIGN(S) AND U-POST PER THE SIGNING AND PAVEMENT MARKING PLANS.

REMOVAL NOTES:

A. REMOVE EXISTING RRFB POLE AND SIGNS.

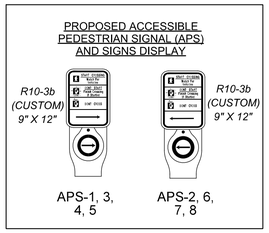
CABLE NOTES:

A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL SIGNAL HEADS.
C. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED SHIELDED 4C 18AWG STRANDED CABLES TO ALL APS UNITS. A SEGMENT OF 4C 18AWG SHIELDED, STRANDED CABLE SHALL EXTEND FROM EACH POLE MOUNTED APS UNIT TO THE 2-SECTION PEDESTRIAN SIGNAL HEAD MOUNTED ON THE SAME POLE.

MAST ARM NOTES:

A. A BACK PLATE SHALL BE AFFIXED TO EACH MAST ARM MOUNTED SIGNAL HEAD.
B. THE BOTTOM OF MAST ARM MOUNTED SIGNAL HEADS SHALL BE 16 FEET ABOVE THE ROADWAY SURFACE.
C. AN ASTRO-BRAC OR APPROVED EQUIVALENT SHALL BE USED TO MOUNT SIGNAL HEADS (2A, 4A, 7A, AND 10A) TO MAST ARMS.

PROPOSED ACCESSIBLE PEDESTRIAN SIGNAL (APS) AND SIGNS DISPLAY



APS-1, 3, 4, 5 | APS-2, 6, 7, 8

LEGEND:

- PROPOSED TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND BOLT ON UPS UNIT
- PROPOSED 28-FOOT PENDANT POST STREETLIGHT POLE WITH LUMINAIRE AND A STEEL TRANSFORMER BASE
- PROPOSED LUMINAIRE AND SUPPORT ARM INDICATING DIRECTION OF LIGHT
- PROPOSED 20 FOOT TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE
- EXISTING RRFB POLE
- PROPOSED LED 3-SECTION TRAFFIC SIGNAL HEAD (ALL LENSES 12 INCHES)
- PROPOSED APS PUSHBUTTON AND SIGN ASSEMBLY
- PROPOSED 8-FOOT MAST ARM WITH CAP AND CLAMP
- PROPOSED 2-SECTION LED COUNT-DOWN PEDESTRIAN SIGNAL HEAD (ALL LENSES 12")
- PROPOSED DDOT MANHOLE (4'X4'X4')
- PROPOSED DDOT MANHOLE (3'X3'X3')
- PROPOSED DDOT ELECTRICAL PVC CONDUIT

100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 10 0 20 40
1" = 20'-0" HORIZ.

N

S.L.F. NO.

APPROVED BY DATE

SG–03
ACISA

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

G STREET AND VIRGINIA AVENUE, N.W.
TRAFFIC SIGNAL INSTALLATION

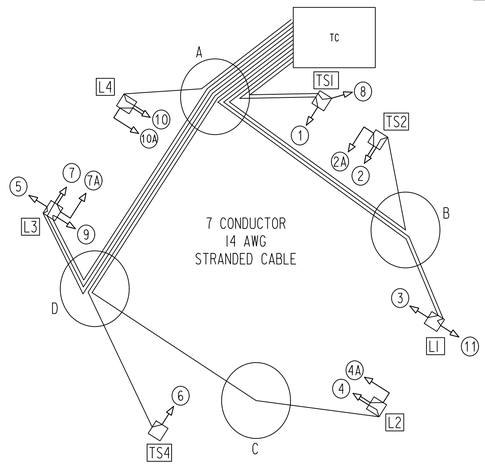
SUBMITTED: TRAFFIC SIGNAL PROJECT ENGINEER DATE
RECOMMENDED: TRAFFIC SIGNAL DESIGN PROJECT MANAGER DATE
ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER DATE
APPROVED: TRAFFIC SIGNAL PROGRAM MANAGER DATE

FINAL
FIELD CHECKED BY: IF
DESIGNED BY: MWS/IF
DRAWN BY: MWS/IF
REVIEWED BY: GAB/MWS
DATE: 03 /30 /2021
SCALE: 1" = 20'
SHEET 1 OF 5
DRAWING NO.

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	38	65

PROPOSED TRAFFIC SIGNAL HEAD CABLE SCHEMATIC

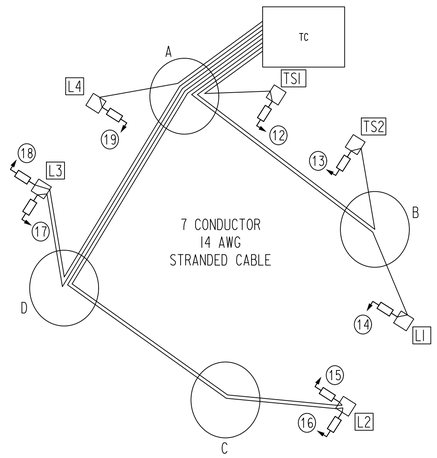


PROPOSED TRAFFIC SIGNAL HEAD CABLE ROUTING

7C 14AWG

TC - A - TSI - 1
TC - A - B - TS2 - 2
2 - 2A
TC - A - B - LI - 3
TC - A - D - C - L2 - 4
4 - 4A
TC - A - D - L3 - 5
TC - A - D - TS4 - 6
TC - A - D - L3 - 7
7 - 7A
TC - A - TSI - 8
TC - A - D - L3 - 9
TC - A - L4 - 10
10 - 10A
TC - A - B - LI - 11

PROPOSED PEDESTRIAN SIGNAL HEAD CABLE SCHEMATIC

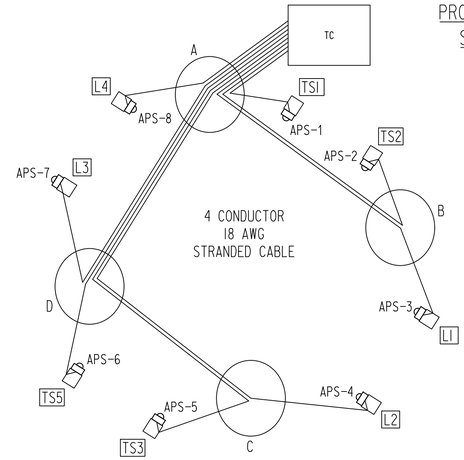


PROPOSED PEDESTRIAN SIGNAL HEAD CABLE ROUTING

7C 14AWG

TC - A - TSI - 12
TC - A - B - TS2 - 13
TC - A - B - LI - 14
TC - A - D - C - L2 - 15
TC - A - D - C - L2 - 16
TC - A - D - L3 - 17
TC - A - D - L3 - 18
TC - A - L4 - 19

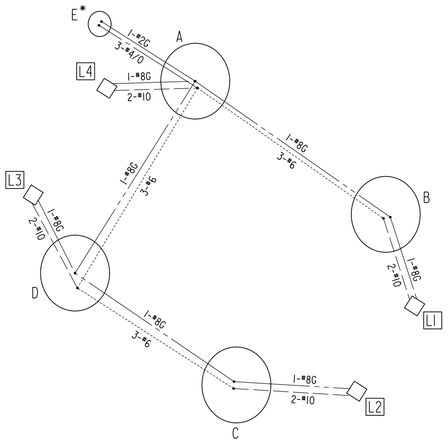
PROPOSED ACCESSIBLE PEDESTRIAN SIGNAL (APS) CABLE SCHEMATIC



PROPOSE ACCESSIBLE PEDESTRIAN SIGNAL (APS) CABLE ROUTING

4C 18AWG

TC - A - TSI - APS-1
TC - A - B - TS2 - APS-2
TC - A - B - LI - APS-3
TC - A - D - C - L2 - APS-4
TC - A - D - C - TS3 - APS-5
TC - A - D - TS5 - APS-6
TC - A - D - L3 - APS-7
TC - A - L4 - APS-8



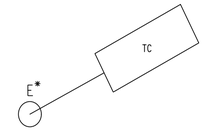
PROPOSED STREETLIGHT CABLE ROUTING

E* - A - B - LI - LI
E* - A - D - C - L2 - L2
E* - A - D - L3 - L3
E* - A - L4 - L4

PROPOSED STREETLIGHT CABLE LEGEND

- NO.8 STRANDED BARE COPPER GROUND WIRE
- NO.2 STRANDED BARE COPPER GROUND WIRE
- TWO NO.10 STRANDED CABLES
- THREE NO.6 STRANDED CABLES
- THREE NO.4/0 STRANDED CABLES
- SPLICE POINT

TRAFFIC SIGNAL POWER SCHEMATIC



PROPOSED TRAFFIC SIGNAL CABLE ROUTING (BY PEPCO)

E* - TC

STATION SCHEDULE		
STATION	STATUS	DESCRIPTION
TC □	PROPOSED	TYPE 170 E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET WITH UPS SYSTEM
A	PROPOSED	DDOT TRAFFIC SIGNAL MANHOLE (4'x4'x4')
B	PROPOSED	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
C	PROPOSED	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
D	PROPOSED	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
E*	EXISTING	PEPCO MANHOLE
TSI	PROPOSED	20 FT. STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE
LI	PROPOSED	28.5 FOOT PENDANT POST STREETLIGHT POLE WITH A TRANSFORMER BASE AND LED LUMINAIRE AND 8 FOOT LONG MAST ARM WITH CAP AND CLAMP
TS2	PROPOSED	20 FT. STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE
L2	PROPOSED	28.5 FOOT PENDANT POST STREETLIGHT POLE WITH A TRANSFORMER BASE AND LED LUMINAIRE
TS3	PROPOSED	PUSHBUTTON PEDESTAL POLE
L3	PROPOSED	28.5 FOOT PENDANT POST STREETLIGHT POLE WITH A TRANSFORMER BASE AND LED LUMINAIRE AND 8 FOOT LONG MAST ARM WITH CAP AND CLAMP
TS4	PROPOSED	20 FT. STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE
L4	PROPOSED	28.5 FOOT PENDANT POST STREETLIGHT POLE WITH A TRANSFORMER BASE AND LED LUMINAIRE AND 8 FOOT LONG MAST ARM WITH CAP AND CLAMP
TS5	PROPOSED	PUSHBUTTON PEDESTAL POLE

CONDUIT SUMMARY				
LOCATION TO LOCATION	STATUS	SIZE (DIA.) (IN)	NUMBER OF CONDUITS	QUANTITY (FT)
E*- TC□	PROPOSED	2	1	25
□TC - A	PROPOSED	4,2	2,1	35
A - B	PROPOSED	4	4	105
A - D	PROPOSED	4,2	1,1	105
D - C	PROPOSED	4,2	1,1	90
A - TSI	PROPOSED	4	4	45
B - LI	PROPOSED	4	4	10
B - TS2	PROPOSED	4,2	1,1	10
C - L2	PROPOSED	4,2	1,1	15
C - TS3	PROPOSED	4,2	1,1	10
D - L3	PROPOSED	4,2	1,1	15
D - TS4	PROPOSED	4,2	1,1	35
A - L4	PROPOSED	4,2	1,1	20
D - TS5	PROPOSED	4,2	1,1	10
E*- A	PROPOSED	4	4	55

STREETLIGHT CABLE SUMMARY							
SCHEDULE			QUANTITY				
			CABLE			GROUNDING	
FROM STA.	TO STA.	DISTANCE	4/0	#6	#10	#2	#8
E*	A	55	195	0	0	65	0
A	L4	20	0	0	60	0	30
A	B	105	0	345	0	0	115
B	LI	10	0	0	40	0	20
A	D	105	0	345	0	0	115
D	L3	15	0	0	50	0	25
D	C	90	0	300	0	0	100
C	L2	15	0	0	50	0	25
	TOTAL	415	195	990	200	65	485

STREETLIGHT POLE INFORMATION (INSTALLATION)						
DRAWING LIGHT NO.	MARYLAND GRID PLAT	GRID NO.	LOCATION	TYPE OF POLE	LIGHT SOURCE	LAMP WATTS	DATE IN SERVICE
LI			E CORNER OF G ST, N.W. AND VIRGINIA AVENUE N.W.	PENDANT (COMBINATION)	LED	200W	
L2			S CORNER OF G ST, N.W. AND VIRGINIA AVENUE N.W.	PENDANT (COMBINATION)	LED	200W	
L3			W CORNER OF G ST, N.W. AND VIRGINIA AVENUE N.W.	PENDANT (COMBINATION)	LED	200W	
L4			N CORNER OF G ST, N.W. AND VIRGINIA AVENUE N.W.	PENDANT (COMBINATION)	LED	200W	

100% SUBMISSION
NOT FOR CONSTRUCTION

S.L.F. NO.

APPROVED BY _____ DATE

SG-04
ACISA
FINAL
FIELD CHECKED BY

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

G STREET AND VIRGINIA AVENUE, N.W.
CABLE ROUTING SCHEMATIC

DESIGNED BY MWS/IF
DRAWN BY MWS/IF
REVIEWED BY GAB/MWS
DATE 03 /30 /2021
SCALE N.T.S.
SHEET 2 OF 5
DRAWING NO.

SUBMITTED: _____ TRAFFIC SIGNAL PROJECT ENGINEER _____ DATE

RECOMMENDED _____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER _____ DATE

_____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE

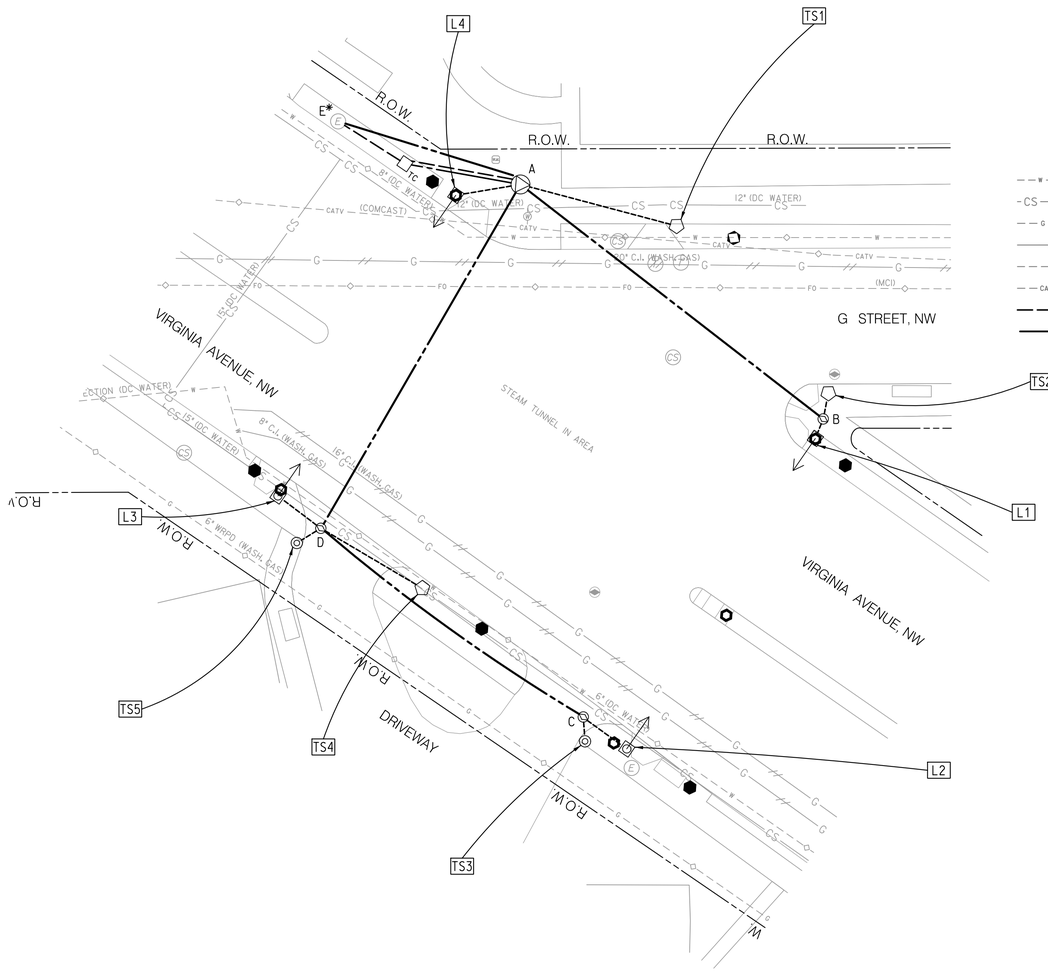
APPROVED _____ TRAFFIC SIGNAL PROGRAM MANAGER _____ DATE

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	39	65

GENERAL NOTES:

1. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD SURVEY DATA AND/OR RECORD DRAWINGS. THE LOCATION OF UTILITIES SHOWN IS APPROXIMATE AND THE INFORMATION SHOWN IS NOT NECESSARILY COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UTILITIES WELL IN ADVANCE OF CONDUCTING CONSTRUCTION OPERATIONS WHICH COULD DAMAGE THESE FACILITIES. IN AREAS WHERE PROPOSED CONSTRUCTION MAY CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES. IF A UTILITY IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER OF SAID UTILITY. ANY DAMAGE SUSTAINED TO UTILITIES ABOVE OR BELOW THE GROUND SHALL BE REPAIRED BY OR UNDER THE DIRECTION OF THE OWNER AT CONTRACTOR'S EXPENSE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACKFILL AN EXCAVATION AFFECTING SAID UTILITY WITHOUT FIRST RECEIVING PERMISSION FROM THE UTILITY OWNER.
2. THE CONTRACTOR SHALL EXCAVATE AND LOCATE VERTICALLY AND HORIZONTALLY ALL UTILITIES IN CLOSE PROXIMITY TO THE PROPOSED TRAFFIC SIGNAL WORK AREA AS NECESSARY FOR CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO EXCAVATING.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 2 FOOT HORIZONTAL CLEARANCE TO ALL UTILITIES DURING CONSTRUCTION.
5. CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS.
6. THE UTILITY COMPANY WILL REQUIRE A CONNECTION CHARGE FOR EACH TRAFFIC SIGNAL CONNECTION. THE COST FOR THIS CHARGE IS THE RESPONSIBILITY OF THE PERMITTEE OR HIS CONTRACTOR.



LEGEND:

- PROPOSED TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND BOLT ON UPS UNIT
- PROPOSED 20 FOOT TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE
- PROPOSED 28-FOOT PENDANT POST STREETLIGHT POLE WITH LED LUMINAIRE AND A TRANSFORMER BASE
- PROPOSED LOCATION FOR PEPCO POWER CONNECTION
- PROPOSED DDOT MANHOLE (4'X4'X4')
- PROPOSED DDOT MANHOLE (3'X3'X3')
- EXISTING FIRE HYDRANT
- EXISTING COMBINED SANITARY SEWER AND STORM DRAINAGE MANHOLE
- EXISTING TELEPHONE MANHOLE
- EXISTING WATER MANHOLE
- EXISTING WATER METER
- EXISTING PEPCO ELECTRICAL MANHOLE
- EXISTING DDOT MANHOLE (3'X3'X3')
- EXISTING UNDERGROUND WATER UTILITY
- EXISTING UNDERGROUND COMBINED SEWER UTILITY
- EXISTING UNDERGROUND GAS UTILITY
- EXISTING ABANDONED UNDERGROUND GAS UTILITY
- EXISTING UNDERGROUND FIBER OPTIC UTILITY
- EXISTING UNDERGROUND CABLE TV UTILITY
- PROPOSED DDOT ELECTRICAL PVC CONDUIT
- RIGHT OF WAY LINE
- EXISTING TREE
- EXISTING WHEELCHAIR RAMP

100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 10 0 20 40
1" = 20'-0" HORIZ.

S.L.F. NO.

APPROVED BY DATE

SG–05
ACISA

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

FINAL

FIELD CHECKED BY

G STREET AND VIRGINIA AVENUE, N.W.
UTILITY PLAN

DESIGNED BY MWS/IF
DRAWN BY MWS/IF
REVIEWED BY GAB/MWS
DATE 03 /30 /2021
SCALE 1" = 20'
SHEET 3 OF 5
DRAWING NO.

SUBMITTED: TRAFFIC SIGNAL PROJECT ENGINEER DATE

RECOMMENDED TRAFFIC SIGNAL DESIGN PROJECT MANAGER DATE

ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER DATE

APPROVED TRAFFIC SIGNAL PROGRAM MANAGER DATE

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	40	65

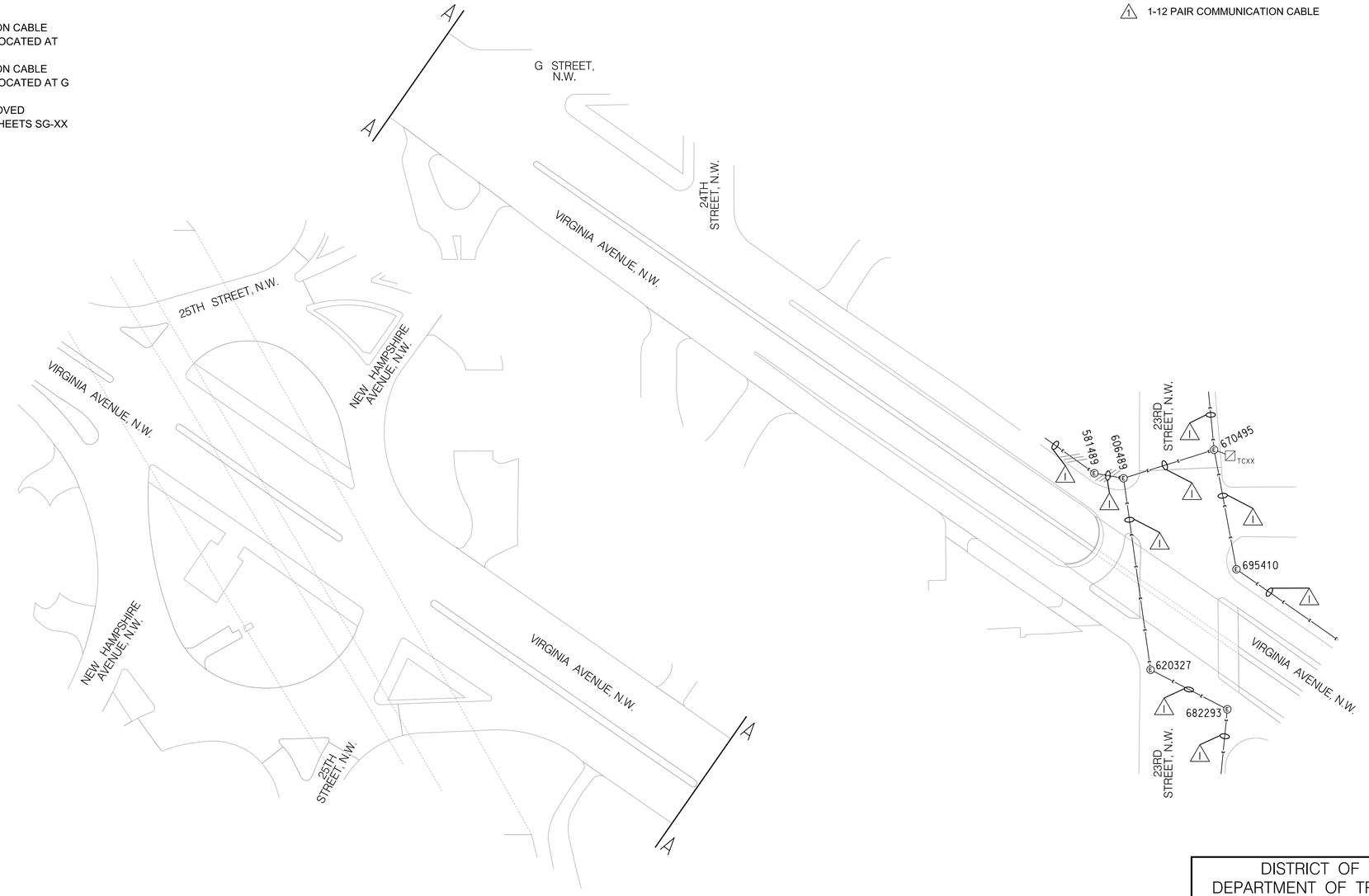
COMMUNICATION PLANS TO BE UPDATED PENDING FURTHER INFORMATION FROM DDOT ITS.

REMOVAL NOTES:

A. THE CONTRACTOR SHALL REMOVE THE EXISTING 12 PAIR COMMUNICATION CABLE ALONG VIRGINIA AVENUE, N.W. BETWEEN THE EXISTING CONTROLLERS LOCATED AT 23RD STREET, N.W. (TCXX) AND G STREET, N.W. (TCXX).
B. THE CONTRACTOR SHALL REMOVE THE EXISTING 12 PAIR COMMUNICATION CABLE ALONG VIRGINIA AVENUE, N.W. BETWEEN THE EXISTING CONTROLLERS LOCATED AT G STREET, N.W. (TCXX) AND NEW HAMPSHIRE AVENUE, N.W. (TCXX).
C. THE EXISTING TRAFFIC SIGNAL COMMUNICATIONS CABLE SHALL BE REMOVED AFTER THE PROPOSED FO (12 STRAND) COMMUNICATIONS CABLE (SEE SHEETS SG-XX THROUGH SG-XX) IS INSTALLED AND FULLY OPERATIONAL.

LEGEND:

- TC ☒ EXISTING TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET
- E EXISTING UNDERGROUND COMMUNICATION CABLES TO BE REMOVED
- (E) EXISTING PEPCO ELECTRICAL MANHOLE
- 1 1-12 PAIR COMMUNICATION CABLE



100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
50 25 0 50 100
1" = 50'-0" HORIZ.

N

S.L.F. NO.

APPROVED BY _____ DATE

SG–06
ACISA
FINAL

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

G STREET AND VIRGINIA AVENUE, N.W.
EXISTING COMMUNICATION PLAN

SUBMITTED: _____ TRAFFIC SIGNAL PROJECT ENGINEER _____ DATE
RECOMMENDED _____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER _____ DATE
_____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE
APPROVED _____ TRAFFIC SIGNAL PROGRAM MANAGER _____ DATE

FIELD CHECKED BY
DESIGNED BY MWS/IF
DRAWN BY MWS/IF
REVIEWED BY GAB/MWS
DATE 03 /30 /2021
SCALE 1" = 50'
SHEET 4 OF 5
DRAWING NO.

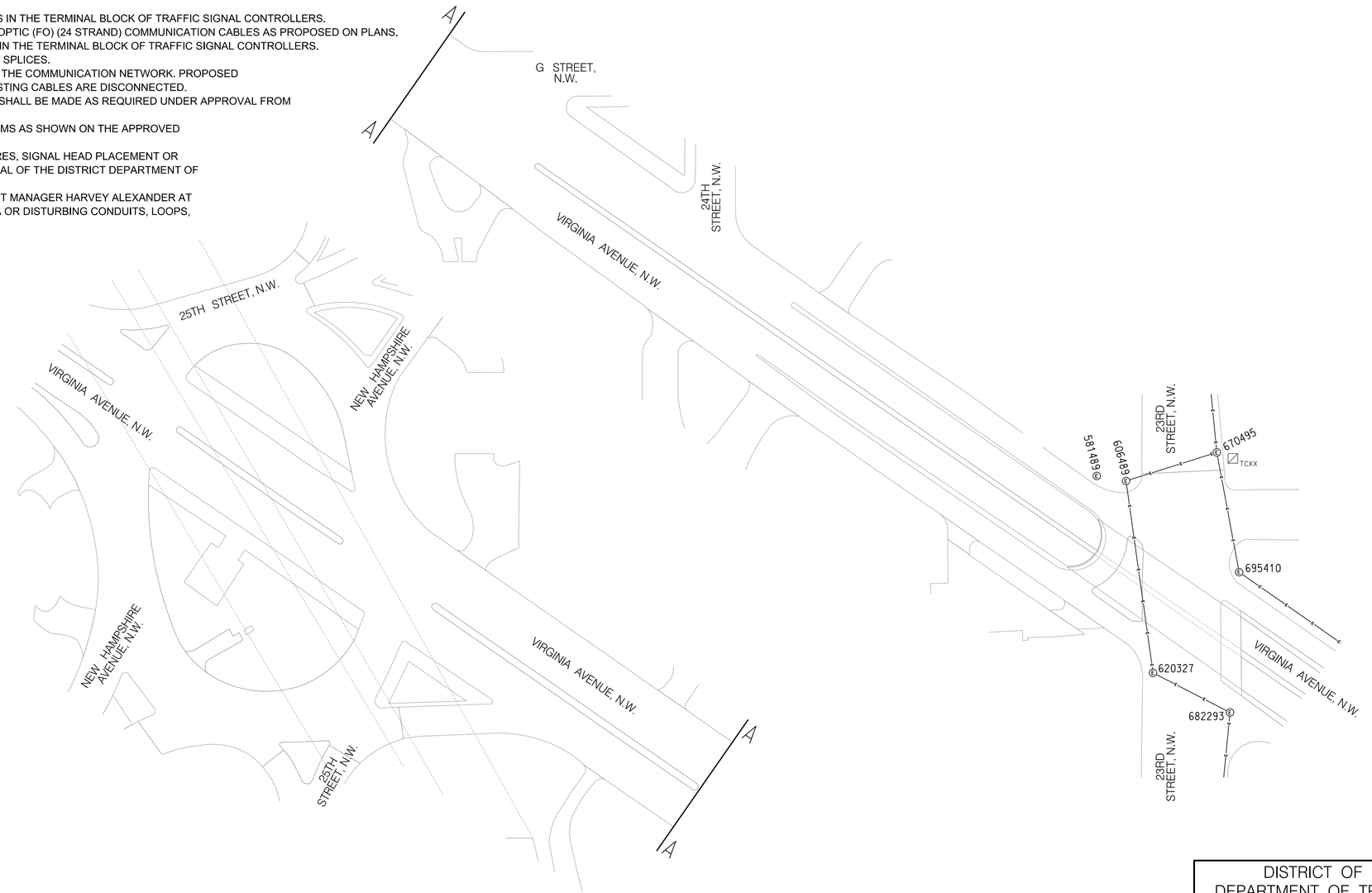
REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	41	65

COMMUNICATION PLANS TO BE UPDATED PENDING FURTHER INFORMATION FROM DDOT ITS.

GENERAL NOTES:

A. DDOT PERSONNEL WILL DISCONNECT EXISTING COMMUNICATION CABLES IN THE TERMINAL BLOCK OF TRAFFIC SIGNAL CONTROLLERS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW UNSPLICED FIBER OPTIC (FO) (24 STRAND) COMMUNICATION CABLES AS PROPOSED ON PLANS.
C. DDOT PERSONNEL WILL CONNECT PROPOSED COMMUNICATION CABLES IN THE TERMINAL BLOCK OF TRAFFIC SIGNAL CONTROLLERS.
D. ALL PROPOSED COMMUNICATION CABLES SHALL BE INSTALLED WITHOUT SPLICES.
E. THE CONTRACTOR SHALL SCHEDULE WORK TO MINIMIZE DISRUPTION TO THE COMMUNICATION NETWORK. PROPOSED CABLES SHALL BE INSTALLED AND CONNECTED IMMEDIATELY AFTER EXISTING CABLES ARE DISCONNECTED.
F. INSTALLATION DIMENSIONS SHOWN ARE APPROXIMATE. MODIFICATIONS SHALL BE MADE AS REQUIRED UNDER APPROVAL FROM THE ENGINEER.
G. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
H. NO CHANGES FROM PLANS IN LOCATION OF THE SUPPORTING STRUCTURES, SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
I. THE CONTRACTOR SHALL NOTIFY DDOT'S ITS SUPPORT DIVISION PROJECT MANAGER HARVEY ALEXANDER AT 202-671-1495 (3) BUSINESS DAYS PRIOR TO ASSUMING WORK IN THE AREA OR DISTURBING CONDUITS, LOOPS, COMMUNICATIONS, AND CCTV CAMERAS.



INSTALLATION NOTES:

1. THE CONTRACTOR SHALL INSTALL FO (24 STRAND) COMMUNICATION CABLE ALONG VIRGINIA AVENUE, N.W. BETWEEN THE EXISTING CONTROLLER (TCXX) LOCATED AT E STREET, N.W. AND THE PROPOSED CONTROLLER LOCATED AT E STREET EXPRESSWAY, N.W. (TCXX).
2. THE CONTRACTOR SHALL INSTALL FO (24 STRAND) COMMUNICATION CABLE ALONG VIRGINIA AVENUE, N.W. BETWEEN THE EXISTING CONTROLLER (TCXX) LOCATED AT 21ST STREET, N.W. AND THE PROPOSED CONTROLLER LOCATED AT E STREET EXPRESSWAY, N.W. (TCXX).

100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
50 25 0 50 100
1" = 50'-0" HORIZ.

N

S.L.F. NO.

APPROVED BY _____ DATE

SG–07
ACISA

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

FINAL

G STREET AND VIRGINIA AVENUE, N.W.
PROPOSED COMMUNICATION PLAN

FIELD CHECKED BY
DESIGNED BY MWS/IF
DRAWN BY MWS/IF
REVIEWED BY GAB/MWS
DATE 03 /30 /2021
SCALE 1" = 50'
SHEET 5 OF 5
DRAWING NO.

SUBMITTED: _____ TRAFFIC SIGNAL PROJECT ENGINEER _____ DATE
RECOMMENDED _____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER _____ DATE
_____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE
APPROVED _____ TRAFFIC SIGNAL PROGRAM MANAGER _____ DATE

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		42	65

GENERAL NOTES:

A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE. THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AND ALL MOUNTING HARDWARE AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
E. THE CONTRACTOR SHALL RETURN ALL REMOVED AND SALVAGED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP. CONTACT MR. HARVEY ALEXANDER 72 HOURS IN ADVANCE AT (202) 671-1485 TO ARRANGE SERVICE OR AS DIRECTED BY THE ENGINEER.
F. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FOOT CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
G. STREETLIGHT LUMINAIRES MUST BE MAINTAINED ALL THE TIME. USE PROPOSED STREETLIGHTS AS NECESSARY.
H. THE CONTRACTOR SHALL BUILD THIS PLAN IN ACCORDANCE WITH THE CONTRACT SPECIAL REVISIONS AND TERMS.
I. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
J. NO CHANGES FROM PLANS IN LOCATION OF THE SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
K. SEE SIGNING AND PAVEMENT MARKING PLANS FOR SIGNING AND PAVEMENT MARKING DETAILS.
L. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERMANENT RESTORATION OF ALL DISTURBED PAVEMENT, REPAIRED MARKINGS, CURBS, SIDEWALKS, AND LANDSCAPING IRRIGATION AREAS DURING CONSTRUCTION AND AT THE END OF CONSTRUCTION.
M. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED SHIELDED 7-CONDUCTOR 14 AWG STRANDED CABLE FROM EACH OF THE PROPOSED SIGNAL HEADS TO THE EXISTING CABINET VIA THE EXISTING CONDUIT SYSTEM INCLUDING EXISTING DDOT AND/OR PEPCO CONDUITS AND MANHOLES. THE CONTRACTOR SHALL IDENTIFY THE EXISTING MANHOLES AND CONDUIT PATHS IN THE FIELD AND MARK THEM NEATLY ON THE PLANS TO BE SUBMITTED AS PART OF THE AS-BUILT DRAWINGS. IF THE EXISTING CONDUIT PATH CANNOT BE IDENTIFIED OR IS OBSTRUCTED/DAMAGED THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT MR. HARVEY ALEXANDER (HARVEY.ALEXANDER@DC.GOV OR 202-671-1485) FOR ASSISTANCE.

CABLE NOTES:

A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL SIGNAL HEADS.

SPECIAL NOTES:

A. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PAVEMENT MARKINGS UNTIL PROPOSED MARKINGS AND OPERATION ARE READY TO BE INSTALLED/ACTIVATED.
B. SIGNAL HEAD NO. 16 AND 17 SHALL BE MOUNTED 3' APART LATERALLY.

REMOVAL NOTES:

A. REMOVE EXISTING TRAFFIC SIGNAL HEAD(S).
B. REMOVE AND RELOCATE EXISTING TRAFFIC SIGNAL HEAD(S).
C. REMOVE EXISTING TRAFFIC SIGN(S) AND U-POST PER THE SIGNING AND PAVEMENT MARKING PLANS.

INSTALLATION NOTES:

A. INSTALL 20 FT. TALL TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE ON 15 IN. BOLT CIRCLE CONCRETE FOUNDATION AS PER DDOT STANDARD DRAWING 614.07 (TYPICAL GROUND MOUNTED PENDANT POLE).
B. INSTALL BICYCLE-ONLY LED TRAFFIC SIGNAL HEAD(S) WITH BACKPLATE.
C. INSTALL LED TRAFFIC SIGNAL HEAD(S) WITH REFLECTIVE BACKPLATE.
D. INSTALL RELOCATED TRAFFIC SIGNAL HEAD(S).
E. INSTALL TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.

EXISTING TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE RELOCATED

12" R Y G

1

EXISTING TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE REMOVED

12" R Y G

7

PROPOSED TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE INSTALLED

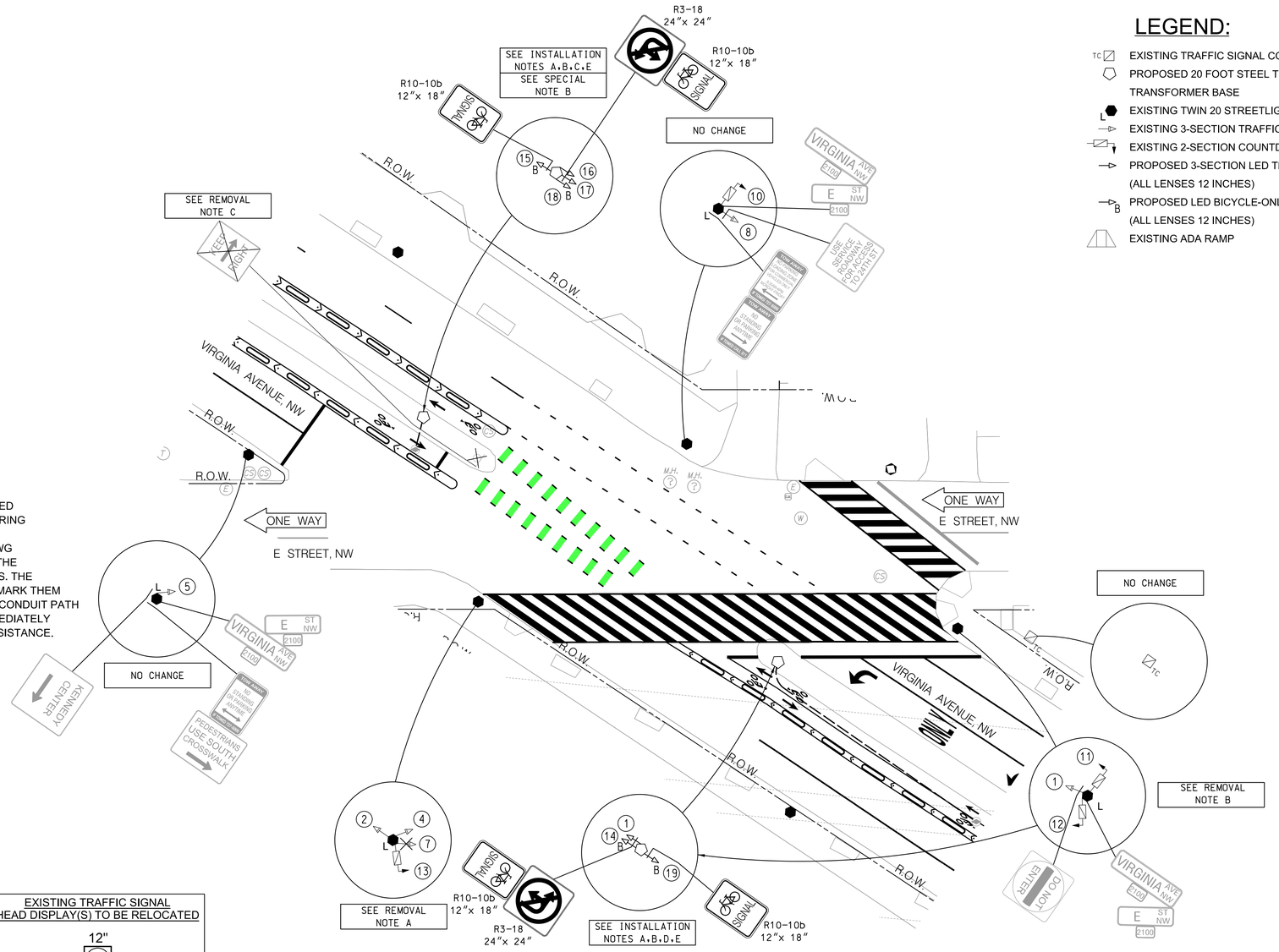
12" R Y G 12" R Y G

16 17

PROPOSED TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE INSTALLED

12" R Y G

14,15,18,19



GRAPHIC SCALE

20 10 0 20 40

1" = 20'-0" HORIZ.

N

100% SUBMISSION
NOT FOR CONSTRUCTION

S.L.F. NO.

APPROVED BY DATE

SEQUENCE OF OPERATION DRAWING TS-281-H

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

E STREET AND VIRGINIA AVENUE, N.W.
TRAFFIC SIGNAL MODIFICATION

SUBMITTED: TRAFFIC SIGNAL PROJECT ENGINEER DATE

RECOMMENDED TRAFFIC SIGNAL DESIGN PROJECT MANAGER DATE

ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER DATE

APPROVED TRAFFIC SIGNAL PROGRAM MANAGER DATE

SG-08
ACISA 1193
FINAL
FIELD CHECKED BY IF
DESIGNED BY MWS/IF
DRAWN BY MWS/IF
REVIEWED BY GAB/MWS
DATE 03 /30 /2021
SCALE 1" = 20'
SHEET 1 OF 2
DRAWING NO. S-772-A

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

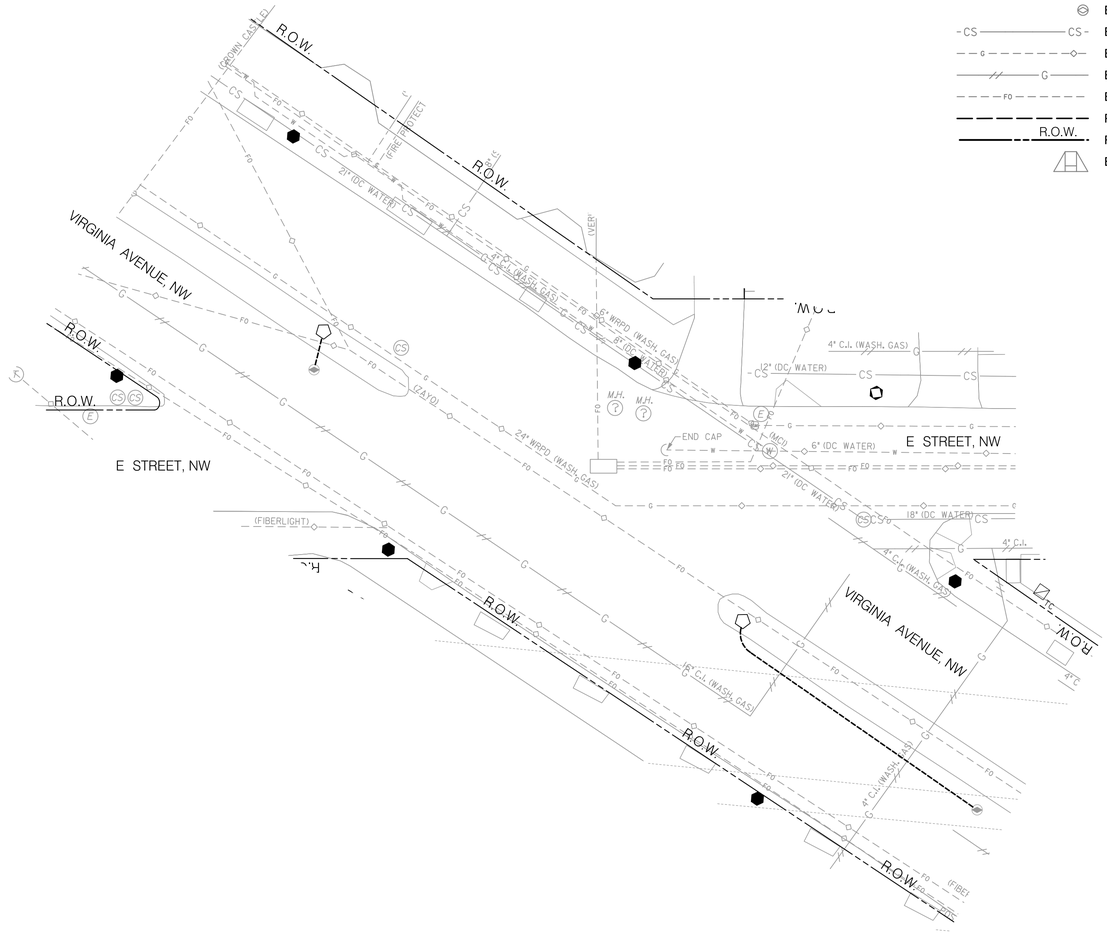
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	43	65

GENERAL NOTES:

1. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD SURVEY DATA AND/OR RECORD DRAWINGS. THE LOCATION OF UTILITIES SHOWN IS APPROXIMATE AND THE INFORMATION SHOWN IS NOT NECESSARILY COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UTILITIES WELL IN ADVANCE OF CONDUCTING CONSTRUCTION OPERATIONS WHICH COULD DAMAGE THESE FACILITIES. IN AREAS WHERE PROPOSED CONSTRUCTION MAY CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES. IF A UTILITY IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER OF SAID UTILITY. ANY DAMAGE SUSTAINED TO UTILITIES ABOVE OR BELOW THE GROUND SHALL BE REPAIRED BY OR UNDER THE DIRECTION OF THE OWNER AT CONTRACTOR'S EXPENSE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACKFILL AN EXCAVATION AFFECTING SAID UTILITY WITHOUT FIRST RECEIVING PERMISSION FROM THE UTILITY OWNER.
2. THE CONTRACTOR SHALL EXCAVATE AND LOCATE VERTICALLY AND HORIZONTALLY ALL UTILITIES IN CLOSE PROXIMITY TO THE PROPOSED TRAFFIC SIGNAL WORK AREA AS NECESSARY FOR CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO EXCAVATING.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 2 FOOT HORIZONTAL CLEARANCE TO ALL UTILITIES DURING CONSTRUCTION.
5. CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS.
6. THE UTILITY COMPANY WILL REQUIRE A CONNECTION CHARGE FOR EACH TRAFFIC SIGNAL CONNECTION. THE COST FOR THIS CHARGE IS THE RESPONSIBILITY OF THE PERMITTEE OR HIS CONTRACTOR.

LEGEND:

- PROPOSED 20 FOOT TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE
- EXISTING COMBINED SANITY SEWER AND STORM DRAINAGE MANHOLE
- EXISTING TELEPHONE MANHOLE
- EXISTING WATER MANHOLE
- EXISTING PEPCO ELECTRICAL MANHOLE
- EXISTING DDOT MANHOLE (3'X3'X3')
- EXISTING UNDERGROUND COMBINED SEWER UTILITY
- EXISTING UNDERGROUND GAS UTILITY
- EXISTING ABANDONED UNDERGROUND GAS UTILITY
- EXISTING UNDERGROUND FIBER OPTIC UTILITY
- PROPOSED DDOT ELECTRICAL PVC CONDUIT
- R.O.W. RIGHT OF WAY LINE
- EXISTING WHEELCHAIR RAMP



100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 10 0 20 40
1" = 20'-0" HORIZ.

N

S.L.F. NO.

APPROVED BY _____ DATE

SEQUENCE OF OPERATION DRAWING TS-281-H

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

E STREET AND VIRGINIA AVENUE, N.W.
UTILITY PLAN

SUBMITTED: _____ TRAFFIC SIGNAL PROJECT ENGINEER _____ DATE

RECOMMENDED _____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER _____ DATE

_____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE

APPROVED _____ TRAFFIC SIGNAL PROGRAM MANAGER _____ DATE

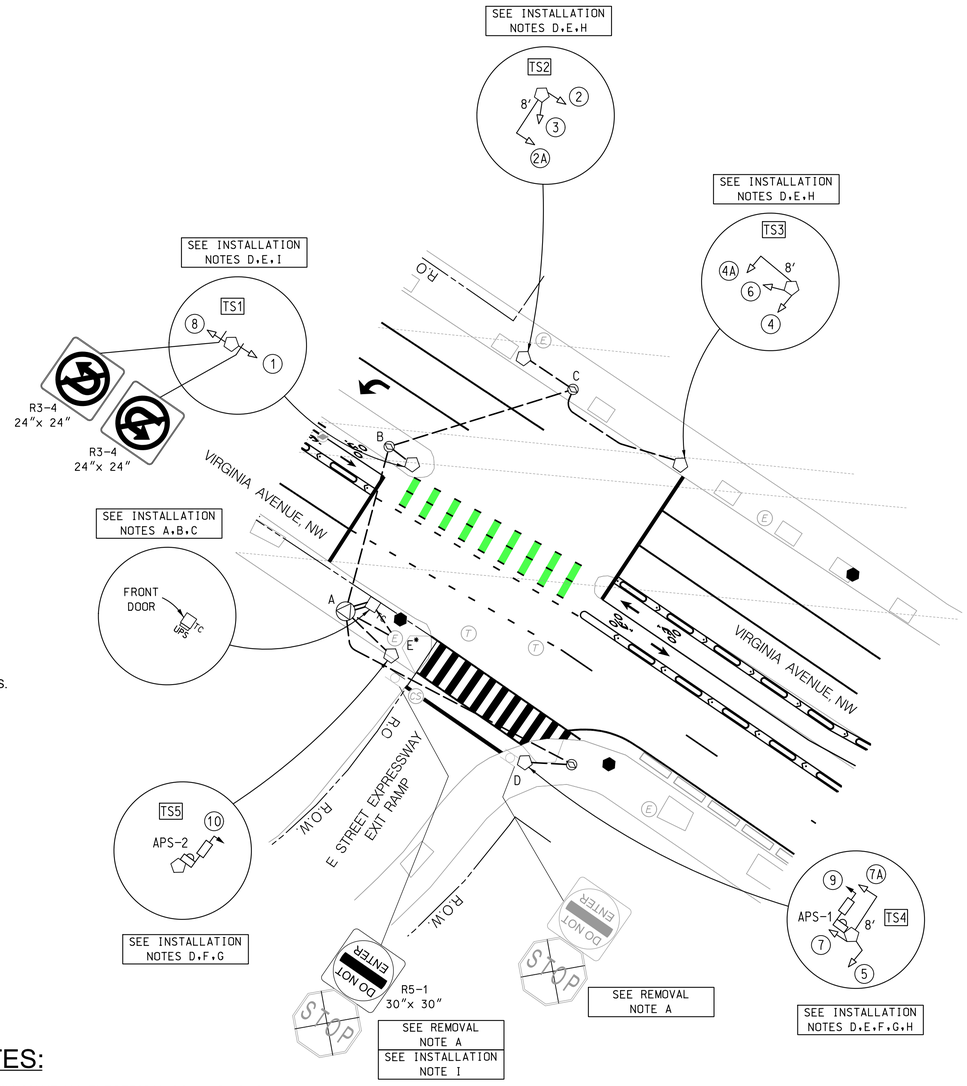
	SG–09
	ACISA 1193
	FINAL
FIELD CHECKED BY	
DESIGNED BY	MWS/IF
DRAWN BY	MWS/IF
REVIEWED BY	GAB/MWS
DATE	03 /30 /2021
SCALE	1" = 20'
SHEET / OF	2 / 2
DRAWING NO.	S-772-A

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		44	65

GENERAL NOTES:

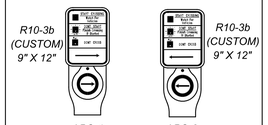
A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE. THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS, MANHOLES, POLE FOUNDATIONS, AND CONTROLLER CABINET FOUNDATION.
E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC AND PEDESTRIAN SIGNAL HEADS, TRAFFIC SIGNAL POLES, TRANSFORMER BASES, APS UNITS, TRAFFIC SIGNAL CONTROLLER, CABINET, AND ALL MOUNTING HARDWARE.
F. THE CONTRACTOR SHALL RETURN ALL REMOVED AND SALVAGED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP. CONTACT MR. HARVEY ALEXANDER 72 HOURS IN ADVANCE AT (202) 671-1495 TO ARRANGE SERVICE OR AS DIRECTED BY THE ENGINEER.
G. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FOOT CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
H. A NEW PEPCO ELECTRICAL SERVICE IS REQUIRED. THE CONTRACTOR SHALL COORDINATE SERVICE INSTALLATION AND PAYMENT WITH PEPCO IN ACCORDANCE WITH CONTRACT SPECIAL PROVISIONS.
I. STREETLIGHT LUMINAIRES MUST BE MAINTAINED ALL THE TIME. USE PROPOSED STREETLIGHTS AS NECESSARY.
J. THE CONTRACTOR SHALL BUILD THIS PLAN IN ACCORDANCE WITH THE CONTRACT SPECIAL REVISIONS AND TERMS.
K. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
L. NO CHANGES FROM PLANS IN LOCATION OF THE SUPPORTING STRUCTURES, SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
M. THE CONTRACTOR SHALL REMOVE ALL EXISTING TRAFFIC SIGNAL POLES, CONTROLLER CABINET, AND HARDWARE MOUNTED ON TEMPORARY, PORTABLE, CONCRETE BASES.
N. THE CONTRACTOR SHALL REMOVE ALL EXISTING TEMPORARY, PORTABLE, CONCRETE BASES.
O. SEE ROADWAY PLANS FOR GEOMETRIC MODIFICATION DETAILS.
P. SEE SIGNING AND PAVEMENT MARKING PLANS FOR GROUND MOUNTED SIGNING AND PAVEMENT MARKING DETAILS.
Q. ALL STREET TREES WITHIN OR DIRECTLY ADJACENT TO THE LIMITS OF WORK MUST BE PROTECTED WITH 6 FT. TALL CHAIN LINK FENCE TO THE EXTENT OF THE TREE BOX (MINIMUM 4'X9') OR THE DRIP LINE IN A PLANTING STRIP. THE DRIP LINE IS DEFINED AS THE GROUND AREA UNDER THE CANOPY OF A TREE. WHEN UTILITIES MUST BE INSTALLED WITHIN THE ROOT ZONE OF A STREET TREE, TUNNELING (PNEUMATIC EXCAVATION OR HYDROEXCAVATION) SHALL BE USED IN LIEU OF TRENCHING AND ROOT PRUNING. THE ROOT ZONE IS MEASURED FROM THE NEAR SIDE OF THE TRUNK TO THE DISTANCE THAT EQUALS THE TREE'S DIAMETER (MEASURED AT 4.5' ABOVE GRADE) X 1 FT. (PREFERRED DISTANCE OF 1.5 FEET). ALL PROTECTION MEASURES AND EXCAVATION OPERATIONS SHALL COMPLY WITH THE 2013 DISTRICT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES (GOLD BOOK) - SECTIONS 207.03, 608.07, AND 608.08. UTILITY WORK SHALL BE CONDUCTED SO AS TO AVOID INJURY TO TREE TRUNKS, BRANCHES, AND ROOTS. IF THERE ARE ANY TREE CONFLICTS ON THIS JOB SITE PERMIT HOLDER MUST SUSPEND ALL WORK THAT CONTRIBUTES TO THE CONFLICT AND IMMEDIATELY CONTACT SIMOUN BANUA, WARD 2 ARBORIST AT SIMOUN.BANUA@DC.GOV OR 202-557-4590 TO RECEIVE CLEARANCE TO CONTINUE THE CONFLICTING WORK.
R. ALL POLES SHALL BE FEDERAL BLACK IN COLOR. COMBINATION POLES SHALL BE 28.5' PENDANT POLES WITH DECORATIVE ARM AND TEARDROP FIXTURES.



LEGEND:

- TC (UPS) — PROPOSED TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND BOLT ON UPS UNIT
- PROPOSED 20 FOOT TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE
- PROPOSED LED 3-SECTION TRAFFIC SIGNAL HEAD (ALL LENSES 12 INCHES)
- PROPOSED APS PUSHBUTTON AND SIGN ASSEMBLY
- 8′ — PROPOSED 8-FOOT MAST ARM WITH CAP AND CLAMP
- PROPOSED 2-SECTION LED COUNT-DOWN PEDESTRIAN SIGNAL HEAD (ALL LENSES 12")
- PROPOSED DDOT MANHOLE (4'X4'X4')
- PROPOSED DDOT MANHOLE (3'X3'X3')
- PROPOSED DDOT ELECTRICAL PVC CONDUIT

PROPOSED ACCESSIBLE PEDESTRIAN SIGNAL (APS) AND SIGNS DISPLAY



INSTALLATION NOTES:

A. INSTALL TRAFFIC SIGNAL CONTROLLER CABINET FOUNDATION.
B. INSTALL TRAFFIC SIGNAL CONTROLLER CABINET.
C. INSTALL TRAFFIC SIGNAL CONTROLLER.
D. INSTALL 20 FT. TALL TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE ON 15 IN. BOLT CIRCLE CONCRETE FOUNDATION AS PER DDOT STANDARD DRAWING 614.07 (TYPICAL GROUND MOUNTED PENDANT POLE).
E. INSTALL LED TRAFFIC SIGNAL HEAD(S).
F. INSTALL LED COUNT-DOWN PEDESTRIAN SIGNAL HEAD(S).
G. INSTALL APS UNIT WITH SIGNS.
H. INSTALL 8-FOOT MAST ARM WITH CAP AND CLAMP.
I. INSTALL TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.

CABLE NOTES:

A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL SIGNAL HEADS.
C. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED SHIELDED 4C 18AWG STRANDED CABLES TO ALL APS UNITS. A SEGMENT OF 4C 18AWG SHIELDED, STRANDED CABLE SHALL EXTEND FROM EACH POLE MOUNTED APS UNIT TO THE 2-SECTION PEDESTRIAN SIGNAL HEAD MOUNTED ON THE SAME POLE.

REMOVAL NOTES:

A. REMOVE EXISTING TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.

MAST ARM NOTES:

A. A BACK PLATE SHALL BE AFFIXED TO EACH MAST ARM MOUNTED SIGNAL HEAD.
B. THE BOTTOM OF MAST ARM MOUNTED SIGNAL HEADS SHALL BE 16 FEET ABOVE THE ROADWAY SURFACE.
C. AN ASTRO-BRAC OR APPROVED EQUIVALENT SHALL BE USED TO MOUNT SIGNAL HEADS (2A, 4A, AND 7A) TO MAST ARMS.

100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 10 0 20 40
1" = 20'-0" HORIZ.

N

S.L.F. NO.

APPROVED BY _____ DATE

SG-10
ACISA

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

E STREET EXPRESSWAY AND VIRGINIA AVENUE, N.W.
TRAFFIC SIGNAL MODIFICATION

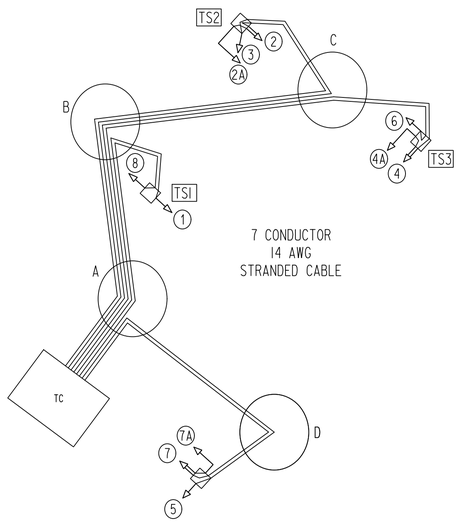
SUBMITTED: _____ TRAFFIC SIGNAL PROJECT ENGINEER _____ DATE
RECOMMENDED _____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER _____ DATE
_____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE
APPROVED _____ TRAFFIC SIGNAL PROGRAM MANAGER _____ DATE

FINAL
FIELD CHECKED BY: IF
DESIGNED BY: MWS/IF
DRAWN BY: MWS/IF
REVIEWED BY: GAB/MWS
DATE: 03 /30 /2021
SCALE: 1" = 20'
SHEET 1 OF 5
DRAWING NO.

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	45	65

PROPOSED TRAFFIC SIGNAL HEAD CABLE SCHEMATIC

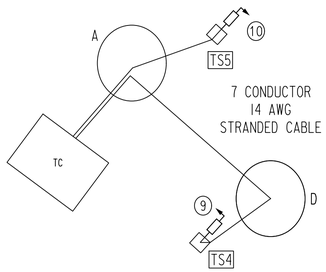


PROPOSED TRAFFIC SIGNAL HEAD CABLE ROUTING

7C 14AWG

TC - A - B - TS1 - 1
TC - A - B - C - TS2 - 2
2 - 2A
TC - A - B - C - TS2 - 3
TC - A - B - C - TS3 - 4
4 - 4A
TC - A - D - TS4 - 5
TC - A - B - C - TS3 - 6
TC - A - D - TS4 - 7
7 - 7A
TC - A - B - TS1 - 8

PROPOSED PEDESTRIAN SIGNAL HEAD CABLE SCHEMATIC

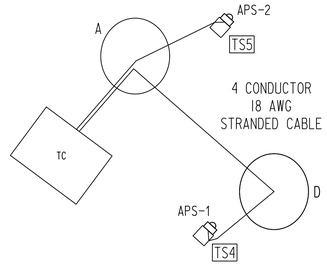


PROPOSED PEDESTRIAN SIGNAL HEAD CABLE ROUTING

7C 14AWG

TC - A - D - TS4 - 9
TC - A - TS5 - 10

PROPOSED ACCESSIBLE PEDESTRIAN SIGNAL (APS) CABLE SCHEMATIC



PROPOSE ACCESSIBLE PEDESTRIAN SIGNAL (APS) CABLE ROUTING

4C 18AWG

TC - A - D - TS4 - APS-1
TC - A - TS5 - APS-2

STATION SCHEDULE		
STATION	STATUS	DESCRIPTION
TC ☐	PROPOSED	TYPE 170 E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET WITH UPS SYSTEM
A	PROPOSED	DDOT TRAFFIC SIGNAL MANHOLE (4'x4'x4')
B	PROPOSED	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
C	PROPOSED	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
D	PROPOSED	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
E*	EXISTING	PEPCO MANHOLE
TS1	PROPOSED	20 FT. STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE
TS2	PROPOSED	20 FT. STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE
TS3	PROPOSED	20 FT. STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE
TS4	PROPOSED	20 FT. STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE
TS5	PROPOSED	20 FT. STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE

CONDUIT SUMMARY				
LOCATION TO LOCATION	STATUS	SIZE (DIA.) (IN)	NUMBER OF CONDUITS	QUANTITY (FT)
E* - TC☐	PROPOSED	2	1	10
☐TC - A	PROPOSED	4,2	2,1	5
E* - A	PROPOSED	4	4	15
A - B	PROPOSED	4	4	45
B - TS1	PROPOSED	4,2	1,1	5
B - C	PROPOSED	4	4	50
C - TS2	PROPOSED	4,2	1,1	15
C - TS3	PROPOSED	4,2	1,1	35
A - D	PROPOSED	4	4	75
D - TS4	PROPOSED	4,2	1,1	10
A - TS5	PROPOSED	4,2	1,1	15

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NOT FOR CONSTRUCTION

S.L.F. NO.

APPROVED BY _____ DATE

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

E STREET EXPRESSWAY AND VIRGINIA AVENUE, N.W.
CABLE ROUTING SCHEMATIC

SUBMITTED: _____ TRAFFIC SIGNAL PROJECT ENGINEER _____ DATE

RECOMMENDED _____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER _____ DATE

_____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE

APPROVED _____ TRAFFIC SIGNAL PROGRAM MANAGER _____ DATE

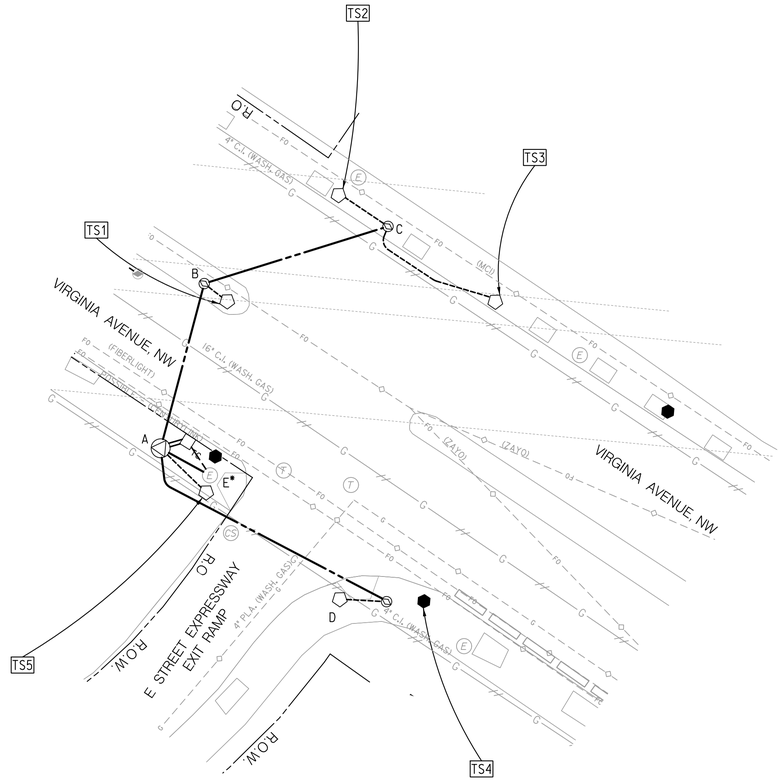
SG–11
ACISA
FINAL
FIELD CHECKED BY
DESIGNED BY MWS/IF
DRAWN BY MWS/IF
REVIEWED BY GAB/MWS
DATE 03 /30 /2021
SCALE N.T.S.
SHEET 2 OF 5
DRAWING NO.

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	46	65

GENERAL NOTES:

1. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD SURVEY DATA AND/OR RECORD DRAWINGS. THE LOCATION OF UTILITIES SHOWN IS APPROXIMATE AND THE INFORMATION SHOWN IS NOT NECESSARILY COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UTILITIES WELL IN ADVANCE OF CONDUCTING CONSTRUCTION OPERATIONS WHICH COULD DAMAGE THESE FACILITIES. IN AREAS WHERE PROPOSED CONSTRUCTION MAY CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES. IF A UTILITY IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER OF SAID UTILITY. ANY DAMAGE SUSTAINED TO UTILITIES ABOVE OR BELOW THE GROUND SHALL BE REPAIRED BY OR UNDER THE DIRECTION OF THE OWNER AT CONTRACTOR'S EXPENSE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACKFILL AN EXCAVATION AFFECTING SAID UTILITY WITHOUT FIRST RECEIVING PERMISSION FROM THE UTILITY OWNER.
2. THE CONTRACTOR SHALL EXCAVATE AND LOCATE VERTICALLY AND HORIZONTALLY ALL UTILITIES IN CLOSE PROXIMITY TO THE PROPOSED TRAFFIC SIGNAL WORK AREA AS NECESSARY FOR CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO EXCAVATING.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 2 FOOT HORIZONTAL CLEARANCE TO ALL UTILITIES DURING CONSTRUCTION.
5. CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS.
6. THE UTILITY COMPANY WILL REQUIRE A CONNECTION CHARGE FOR EACH TRAFFIC SIGNAL CONNECTION. THE COST FOR THIS CHARGE IS THE RESPONSIBILITY OF THE PERMITTEE OR HIS CONTRACTOR.



LEGEND:

- PROPOSED TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND BOLT ON UPS UNIT
- PROPOSED 20 FOOT TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE
- PROPOSED LOCATION FOR PEPCO POWER CONNECTION
- PROPOSED DDOT MANHOLE (4'X4'X4')
- PROPOSED DDOT MANHOLE (3'X3'X3')
- EXISTING FIRE HYDRANT
- EXISTING COMBINED SANITY SEWER AND STORM DRAINAGE MANHOLE
- EXISTING TELEPHONE MANHOLE
- EXISTING PEPCO ELECTRICAL MANHOLE
- EXISTING DDOT MANHOLE (3'X3'X3')
- EXISTING UNDERGROUND GAS UTILITY
- EXISTING ABANDONED UNDERGROUND GAS UTILITY
- EXISTING UNDERGROUND FIBER OPTIC UTILITY
- PROPOSED DDOT ELECTRICAL PVC CONDUIT
- R.O.W. RIGHT OF WAY LINE
- EXISTING WHEELCHAIR RAMP

100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 10 0 20 40
1" = 20'-0" HORIZ.

N

S.L.F. NO.

APPROVED BY _____ DATE

SG–12
ACISA

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

E STREET EXPRESSWAY AND VIRGINIA AVENUE, N.W.
UTILITY PLAN

SUBMITTED: _____ TRAFFIC SIGNAL PROJECT ENGINEER _____ DATE

RECOMMENDED _____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER _____ DATE

_____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE

APPROVED _____ TRAFFIC SIGNAL PROGRAM MANAGER _____ DATE

FINAL

FIELD CHECKED BY

DESIGNED BY MWS/IF

DRAWN BY MWS/IF

REVIEWED BY GAB/MWS

DATE 03 /30 /2021

SCALE 1" = 20'

SHEET 3 OF 5

DRAWING NO.

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	47	65

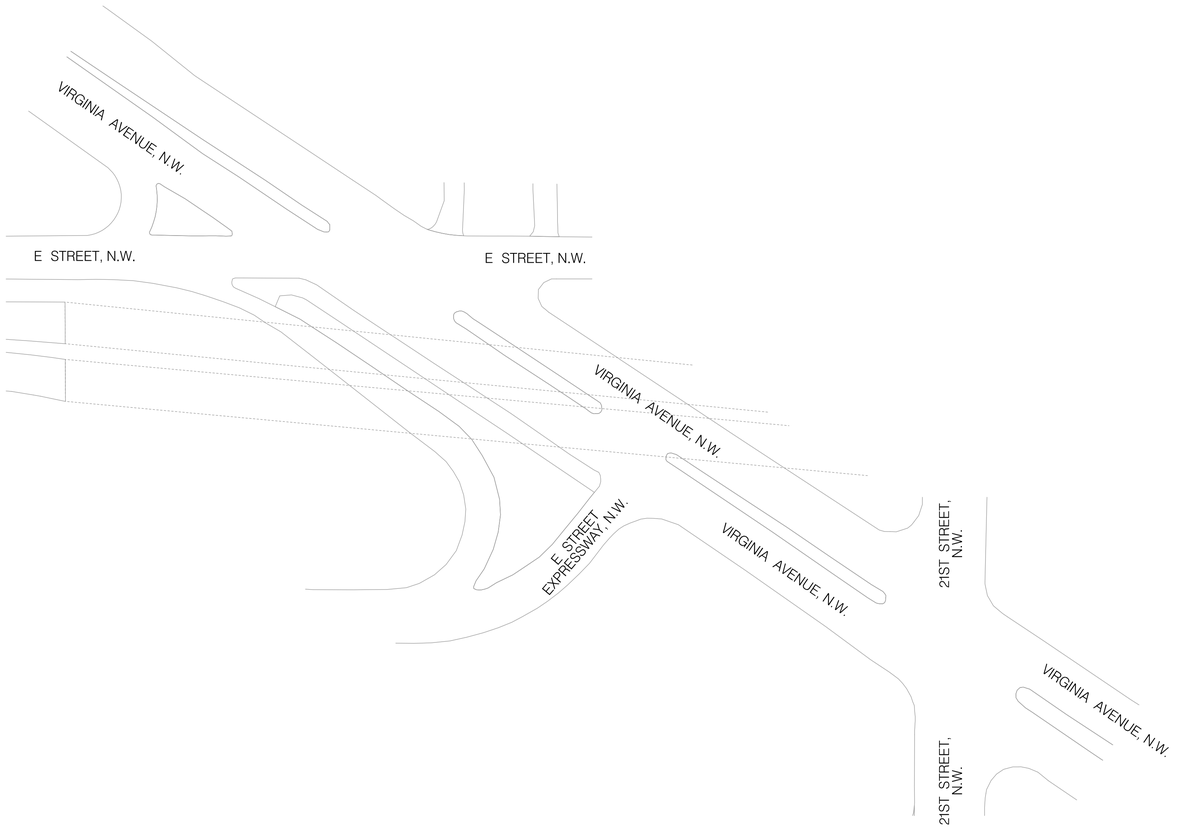
COMMUNICATION PLANS TO BE UPDATED PENDING FURTHER INFORMATION FROM DDOT ITS.

REMOVAL NOTES:

A. THE CONTRACTOR SHALL REMOVE THE EXISTING 12 PAIR COMMUNICATION CABLE ALONG VIRGINIA AVENUE, N.W. BETWEEN THE EXISTING CONTROLLERS LOCATED AT E STREET, N.W. (TCXX) AND E STREET EXPRESSWAY, N.W. (TCXX).
B. THE CONTRACTOR SHALL REMOVE THE EXISTING 12 PAIR COMMUNICATION CABLE ALONG VIRGINIA AVENUE, N.W. BETWEEN THE EXISTING CONTROLLERS LOCATED AT E STREET EXPRESSWAY, N.W. (TCXX) AND 21ST STREET, N.W. (TCXX).
C. THE EXISTING TRAFFIC SIGNAL COMMUNICATIONS CABLE SHALL BE REMOVED AFTER THE PROPOSED FO (12 STRAND COMMUNICATIONS CABLE (SEE SHEETS SG-XX THROUGH SG-XX) IS INSTALLED AND FULLY OPERATIONAL.

LEGEND:

TC — EXISTING TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET
E — EXISTING UNDERGROUND COMMUNICATION CABLES TO BE REMOVED
E — EXISTING PEPCO ELECTRICAL MANHOLE
1 — 1-12 PAIR COMMUNICATION CABLE



100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
50 25 0 50 100
1" = 50'-0" HORIZ.

N

S.L.F. NO.
APPROVED BY ____ DATE

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

E STREET EXPRESSWAY AND VIRGINIA AVENUE, N.W.
EXISTING COMMUNICATION PLAN

SUBMITTED: ____ TRAFFIC SIGNAL PROJECT ENGINEER ____ DATE
RECOMMENDED ____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER ____ DATE
____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER ____ DATE
APPROVED ____ TRAFFIC SIGNAL PROGRAM MANAGER ____ DATE

SG–13
ACISA
FINAL
FIELD CHECKED BY
DESIGNED BY MWS/IF
DRAWN BY MWS/IF
REVIEWED BY GAB/MWS
DATE 03 /30 /2021
SCALE 1" = 50'
SHEET 4 OF 5
DRAWING NO.

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

COMMUNICATION PLANS TO BE UPDATED PENDING FURTHER INFORMATION FROM DDOT ITS.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	48	65

GENERAL NOTES:

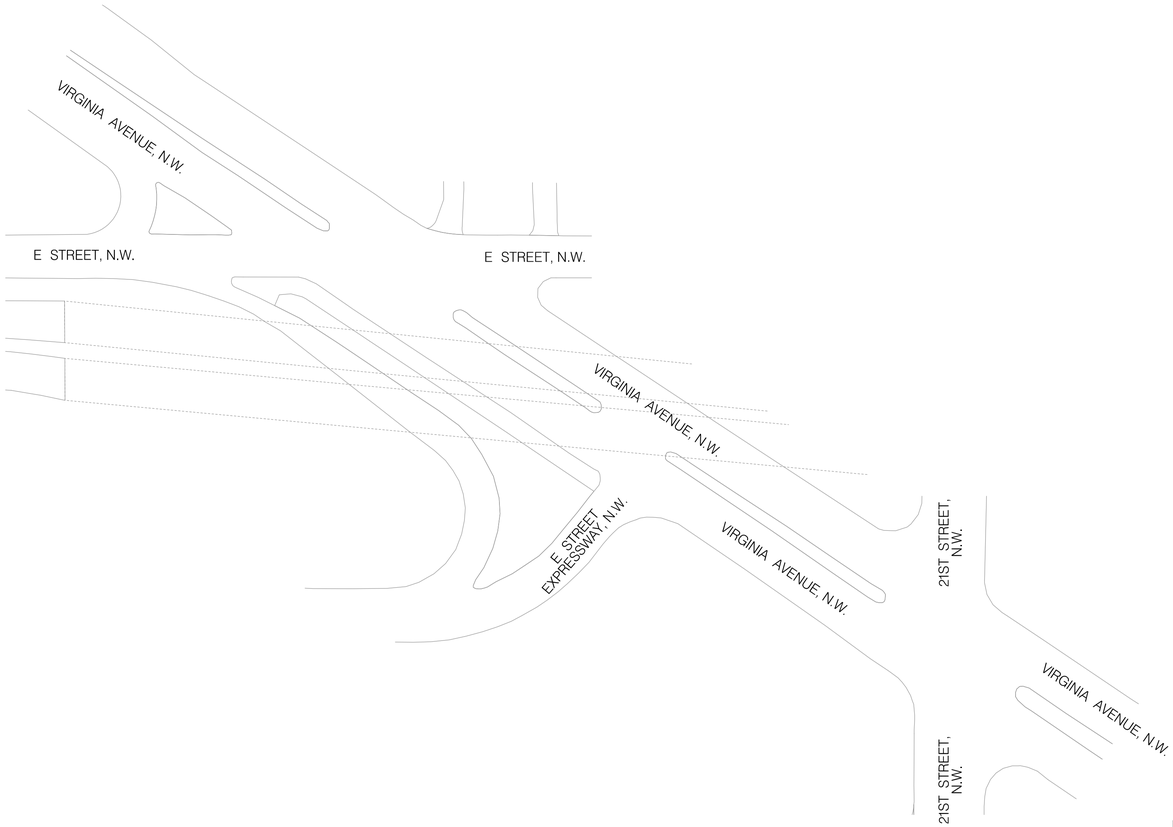
A. DDOT PERSONNEL WILL DISCONNECT EXISTING COMMUNICATION CABLES IN THE TERMINAL BLOCK OF TRAFFIC SIGNAL CONTROLLERS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW UNSPLICED FIBER OPTIC (FO) (24 STRAND) COMMUNICATION CABLES AS PROPOSED ON PLANS.
C. DDOT PERSONNEL WILL CONNECT PROPOSED COMMUNICATION CABLES IN THE TERMINAL BLOCK OF TRAFFIC SIGNAL CONTROLLERS.
D. ALL PROPOSED COMMUNICATION CABLES SHALL BE INSTALLED WITHOUT SPLICES.
E. THE CONTRACTOR SHALL SCHEDULE WORK TO MINIMIZE DISRUPTION TO THE COMMUNICATION NETWORK. PROPOSED CABLES SHALL BE INSTALLED AND CONNECTED IMMEDIATELY AFTER EXISTING CABLES ARE DISCONNECTED.
F. INSTALLATION DIMENSIONS SHOWN ARE APPROXIMATE. MODIFICATIONS SHALL BE MADE AS REQUIRED UNDER APPROVAL FROM THE ENGINEER.
G. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
H. NO CHANGES FROM PLANS IN LOCATION OF THE SUPPORTING STRUCTURES, SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
I. THE CONTRACTOR SHALL NOTIFY DDOT'S ITS SUPPORT DIVISION PROJECT MANAGER HARVEY ALEXANDER AT 202-671-1495 (3) BUSINESS DAYS PRIOR TO ASSUMING WORK IN THE AREA OR DISTURBING CONDUITS, LOOPS, COMMUNICATIONS, AND CCTV CAMERAS.

INSTALLATION NOTES:

1. THE CONTRACTOR SHALL INSTALL FO (24 STRAND) COMMUNICATION CABLE ALONG VIRGINIA AVENUE, N.W. BETWEEN THE EXISTING CONTROLLER (TCXX) LOCATED AT E STREET, N.W. AND THE PROPOSED CONTROLLER LOCATED AT E STREET EXPRESSWAY, N.W. (TCXX).
2. THE CONTRACTOR SHALL INSTALL FO (24 STRAND) COMMUNICATION CABLE ALONG VIRGINIA AVENUE, N.W. BETWEEN THE EXISTING CONTROLLER (TCXX) LOCATED AT 21ST STREET, N.W. AND THE PROPOSED CONTROLLER LOCATED AT E STREET EXPRESSWAY, N.W. (TCXX).

LEGEND:

- TC ☒ EXISTING TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET
- TEC ☒ EXISTING COMMUNICATIONS CABINET
- TC ☐ PROPOSED TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET
- E PROPOSED UNDERGROUND COMMUNICATION CABLES
- (E) EXISTING PEPCO ELECTRICAL MANHOLE
- PROPOSED DDOT MANHOLE (4'X4'X4')
- 4 1 - 25 PAIR COMMUNICATION CABLE
- 5 2 - 25 PAIR COMMUNICATION CABLE
- 15 INSTALL UNDERGROUND COMMUNICATION CABLE



100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
50 25 0 50 100
1" = 50'-0" HORIZ.

N

S.L.F. NO.

APPROVED BY _____ DATE

SG–14
ACISA

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

FINAL

E STREET EXPRESSWAY AND VIRGINIA AVENUE, N.W.
PROPOSED COMMUNICATION PLAN

FIELD CHECKED BY
DESIGNED BY MWS/IF
DRAWN BY MWS/IF
REVIEWED BY GAB/MWS
DATE 03 /30 /2021
SCALE 1" = 50'
SHEET 5 OF 5
DRAWING NO.

SUBMITTED: _____ DATE
TRAFFIC SIGNAL PROJECT ENGINEER

RECOMMENDED _____ DATE
TRAFFIC SIGNAL DESIGN PROJECT MANAGER

_____ DATE
ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER

APPROVED _____ DATE
TRAFFIC SIGNAL PROGRAM MANAGER

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		49	65

GENERAL NOTES:

A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE. THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AND ALL MOUNTING HARDWARE AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
E. THE CONTRACTOR SHALL RETURN ALL REMOVED AND SALVAGED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP. CONTACT MR. HARVEY ALEXANDER 72 HOURS IN ADVANCE AT (202) 671-1485 TO ARRANGE SERVICE OR AS DIRECTED BY THE ENGINEER.
F. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FOOT CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
G. STREETLIGHT LUMINAIRES MUST BE MAINTAINED ALL THE TIME. USE PROPOSED STREETLIGHTS AS NECESSARY.
H. THE CONTRACTOR SHALL BUILD THIS PLAN IN ACCORDANCE WITH THE CONTRACT SPECIAL REVISIONS AND TERMS.
I. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
J. NO CHANGES FROM PLANS IN LOCATION OF THE SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
K. SEE SIGNING AND PAVEMENT MARKING PLANS FOR SIGNING AND PAVEMENT MARKING DETAILS.
L. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERMANENT RESTORATION OF ALL DISTURBED PAVEMENT, REPAIRED MARKINGS, CURBS, SIDEWALKS, AND LANDSCAPING IRRIGATION AREAS DURING CONSTRUCTION AND AT THE END OF CONSTRUCTION.
M. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED SHIELDED 7-CONDUCTOR 14 AWG STRANDED CABLE FROM EACH OF THE PROPOSED SIGNAL HEADS TO THE EXISTING CABINET VIA THE EXISTING CONDUIT SYSTEM INCLUDING EXISTING DDOT AND/OR PEPCO CONDUITS AND MANHOLES. THE CONTRACTOR SHALL IDENTIFY THE EXISTING MANHOLES AND CONDUIT PATHS IN THE FIELD AND MARK THEM NEATLY ON THE PLANS TO BE SUBMITTED AS PART OF THE AS-BUILT DRAWINGS. IF THE EXISTING CONDUIT PATH CANNOT BE IDENTIFIED OR IS OBSTRUCTED/DAMAGED THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT MR. HARVEY ALEXANDER (HARVEY.ALEXANDER@DC.GOV OR 202-671-1485) FOR ASSISTANCE.

CABLE NOTES:

A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL SIGNAL HEADS.

SPECIAL NOTES:

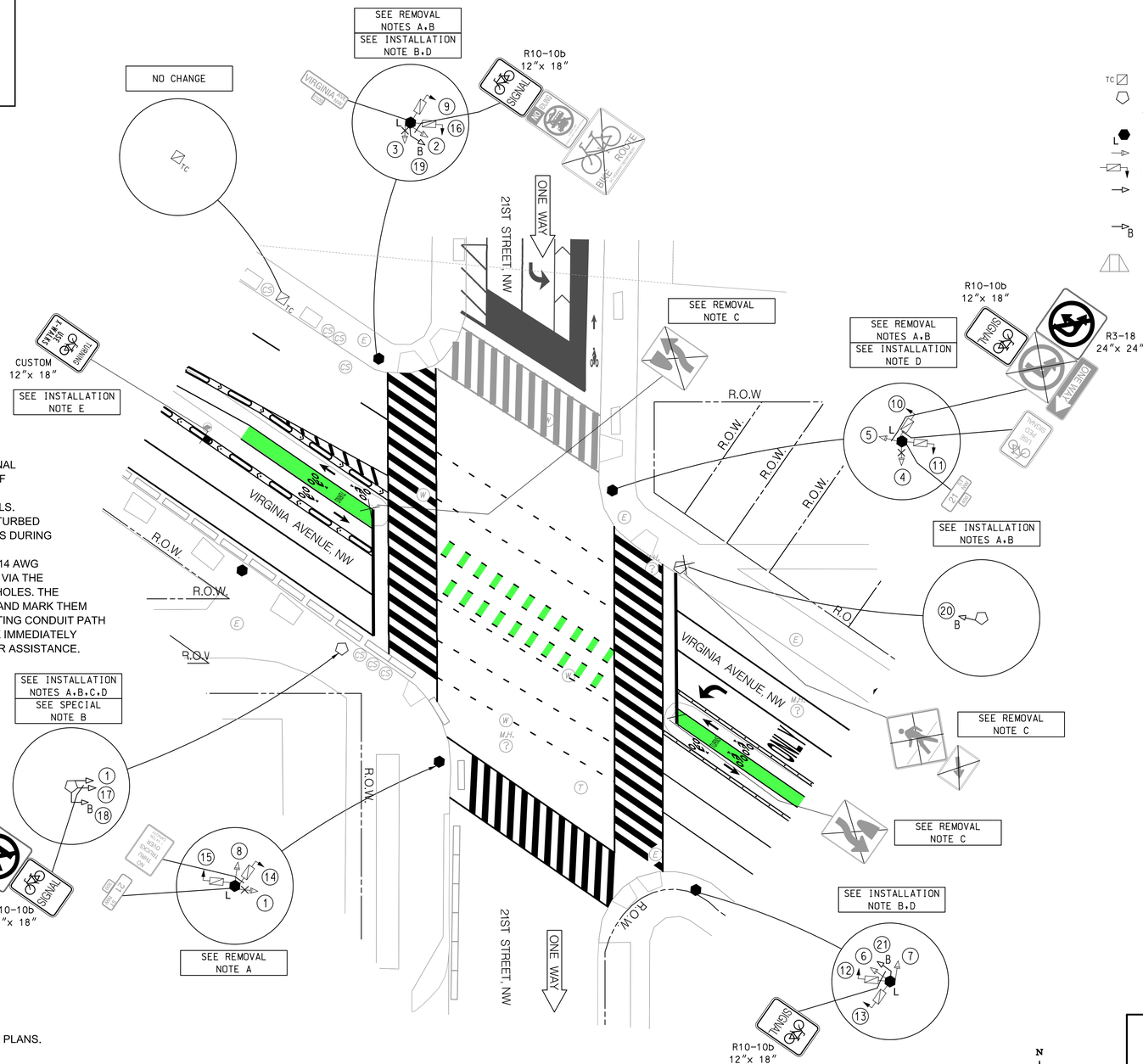
A. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PAVEMENT MARKINGS UNTIL PROPOSED MARKINGS AND OPERATION ARE READY TO BE INSTALLED/ACTIVATED.
B. SIGNAL HEAD NO. 1 AND 17 SHALL BE MOUNTED 3' APART LATERALLY.

INSTALLATION NOTES:

A. INSTALL 20 FT. TALL TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE ON 15 IN. BOLT CIRCLE CONCRETE FOUNDATION AS PER DDOT STANDARD DRAWING 614.07 (TYPICAL GROUND MOUNTED PENDANT POLE).
B. INSTALL LED TRAFFIC SIGNAL HEAD(S) WITH REFLECTIVE BACKPLATE.
C. INSTALL BICYCLE-ONLY LED TRAFFIC SIGNAL HEAD(S) WITH BACKPLATE.
D. INSTALL TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.
E. INSTALL TRAFFIC SIGN(S) AND U-POST PER THE SIGNING AND PAVEMENT MARKING PLANS.

REMOVAL NOTES:

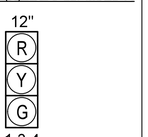
A. REMOVE EXISTING TRAFFIC SIGNAL HEAD(S).
B. REMOVE EXISTING TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.
C. REMOVE EXISTING TRAFFIC SIGN(S) AND U-POST PER THE SIGNING AND PAVEMENT MARKING PLANS.



LEGEND:

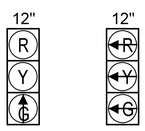
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- PROPOSED 20 FOOT STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE
- EXISTING TWIN 20 STREETLIGHT POLE WITH LUMINAIRES
- EXISTING 3-SECTION TRAFFIC SIGNAL HEAD
- EXISTING 2-SECTION COUNTDOWN PEDESTRIAN SIGNAL HEAD
- PROPOSED 3-SECTION LED TRAFFIC SIGNAL HEAD (ALL LENSES 12 INCHES)
- PROPOSED LED BICYCLE-ONLY TRAFFIC SIGNAL HEAD (ALL LENSES 12 INCHES)
- EXISTING ADA RAMP

EXISTING TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE REMOVED



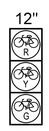
1,3,4

PROPOSED TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE INSTALLED



1 17

PROPOSED TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE INSTALLED



18,19,20,21

100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 10 0 20 40
1" = 20'-0" HORIZ.

S.L.F. NO.

APPROVED BY _____ DATE

SEQUENCE OF OPERATION DRAWING TS-654-G

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

VIRGINIA AVENUE AND 21ST ST, N.W.
TRAFFIC SIGNAL MODIFICATION

SUBMITTED: _____ TRAFFIC SIGNAL PROJECT ENGINEER _____ DATE
RECOMMENDED _____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER _____ DATE
_____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE
APPROVED _____ TRAFFIC SIGNAL PROGRAM MANAGER _____ DATE

	SG-15
	ACISA 1145
	FINAL
FIELD CHECKED BY	IF
DESIGNED BY	MWS/IF
DRAWN BY	MWS/IF
REVIEWED BY	GAB/MWS
DATE	03 /30 /2021
SCALE	1" = 20'
SHEET / OF	1 / 1
DRAWING NO.	S-350-C

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		50	65

GENERAL NOTES:

A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE. THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AND ALL MOUNTING HARDWARE AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
E. THE CONTRACTOR SHALL RETURN ALL REMOVED AND SALVAGED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP. CONTACT MR. HARVEY ALEXANDER 72 HOURS IN ADVANCE AT (202) 671-1485 TO ARRANGE SERVICE OR AS DIRECTED BY THE ENGINEER.
F. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FOOT CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
G. STREETLIGHT LUMINAIRES MUST BE MAINTAINED ALL THE TIME. USE PROPOSED STREETLIGHTS AS NECESSARY.
H. THE CONTRACTOR SHALL BUILD THIS PLAN IN ACCORDANCE WITH THE CONTRACT SPECIAL REVISIONS AND TERMS.
I. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
J. NO CHANGES FROM PLANS IN LOCATION OF THE SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
K. SEE SIGNING AND PAVEMENT MARKING PLANS FOR SIGNING AND PAVEMENT MARKING DETAILS.
L. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERMANENT RESTORATION OF ALL DISTURBED PAVEMENT, REPAIRED MARKINGS, CURBS, SIDEWALKS, AND LANDSCAPING IRRIGATION AREAS DURING CONSTRUCTION AND AT THE END OF CONSTRUCTION.
M. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED SHIELDED 7-CONDUCTOR 14 AWG STRANDED CABLE FROM EACH OF THE PROPOSED SIGNAL HEADS TO THE EXISTING CABINET VIA THE EXISTING CONDUIT SYSTEM INCLUDING EXISTING DDOT AND/OR PEPCO CONDUITS AND MANHOLES. THE CONTRACTOR SHALL IDENTIFY THE EXISTING MANHOLES AND CONDUIT PATHS IN THE FIELD AND MARK THEM NEATLY ON THE PLANS TO BE SUBMITTED AS PART OF THE AS-BUILT DRAWINGS. IF THE EXISTING CONDUIT PATH CANNOT BE IDENTIFIED OR IS OBSTRUCTED/DAMAGED THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT MR. HARVEY ALEXANDER (HARVEY.ALEXANDER@DC.GOV OR 202-671-1485) FOR ASSISTANCE.

CABLE NOTES:

A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL SIGNAL HEADS.

SPECIAL NOTES:

A. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PAVEMENT MARKINGS UNTIL PROPOSED MARKINGS AND OPERATION ARE READY TO BE INSTALLED/ACTIVATED.
B. SIGNAL HEADS NO. 3 AND 4 SHALL BE MOUNTED 3' APART LATERALLY.

INSTALLATION NOTES:

A. INSTALL 20 FT. TALL TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE ON 15 IN. BOLT CIRCLE CONCRETE FOUNDATION AS PER DDOT STANDARD DRAWING 614.07 (TYPICAL GROUND MOUNTED PENDANT POLE).
B. INSTALL BICYCLE-ONLY LED TRAFFIC SIGNAL HEAD(S) WITH BACKPLATE.
C. INSTALL LED TRAFFIC SIGNAL HEAD(S) WITH REFLECTIVE BACKPLATE.
D. INSTALL TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.
E. INSTALL LED COUNT-DOWN PEDESTRIAN SIGNAL HEAD(S).
F. INSTALL RELOCATED TRAFFIC SIGNAL HEAD(S).

REMOVAL NOTES:

A. REMOVE EXISTING TRAFFIC SIGNAL HEAD(S).
B. REMOVE EXISTING TRAFFIC SIGN(S) AND U-POST PER THE SIGNING AND PAVEMENT MARKING PLANS.
C. REMOVE AND RELOCATE EXISTING TRAFFIC SIGNAL HEAD(S).

EXISTING TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE REMOVED

12" R Y G ←

3

PROPOSED TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE INSTALLED

12" R Y G ↑ | 12" R Y G ←

3 4

PROPOSED TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE INSTALLED

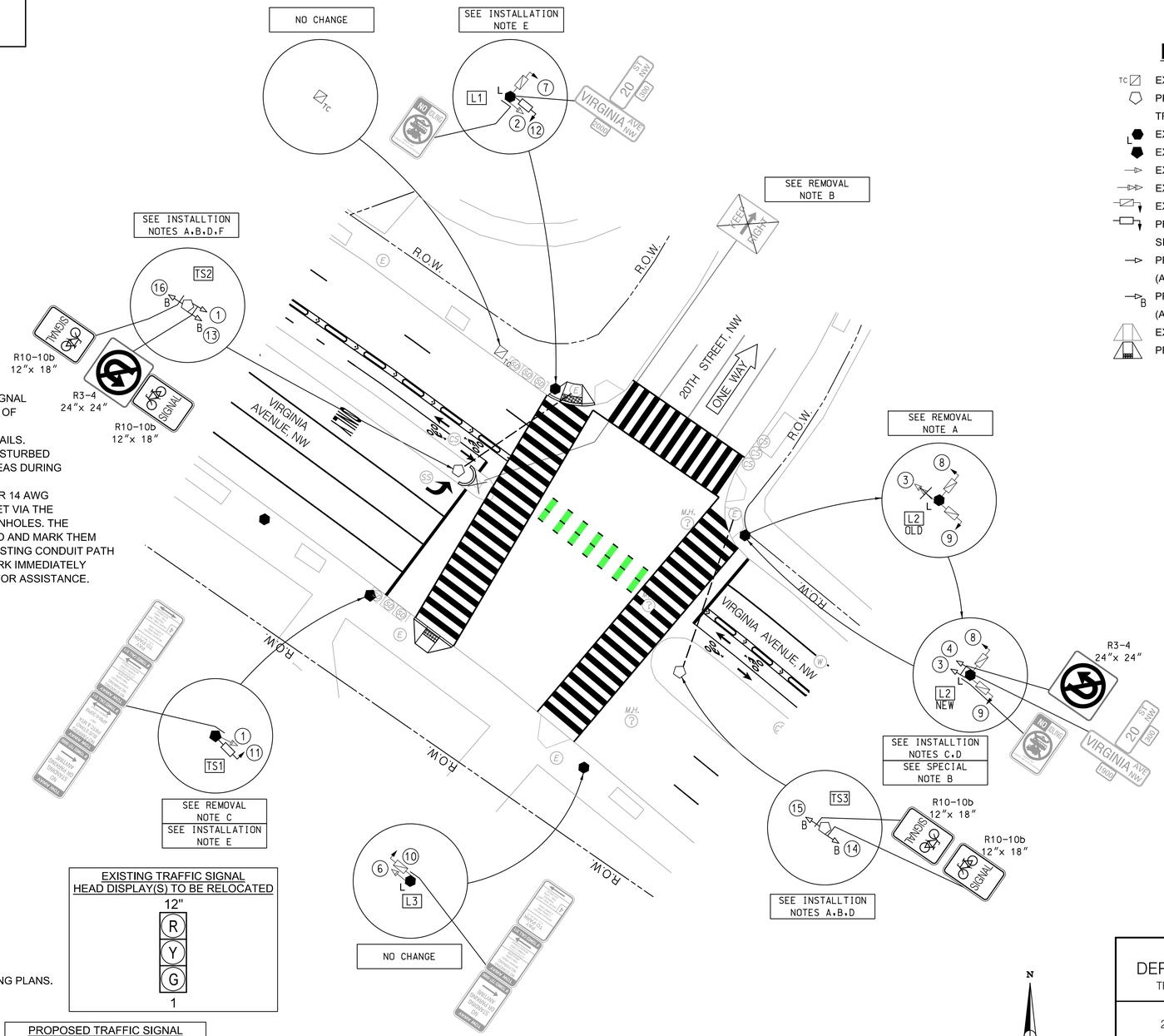
12" R Y G

13,14,15,16

EXISTING TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE RELOCATED

12" R Y G

1



LEGEND:

- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- PROPOSED 20 FOOT STEEL TRAFFIC SIGNAL POLE WITH A STEEL TRANSFORMER BASE
- EXISTING TWIN 20 STREETLIGHT POLE WITH LUMINAIRES
- EXISTING 20 FOOT TRAFFIC SIGNAL POLE
- EXISTING 3 SECTION TRAFFIC SIGNAL HEAD
- EXISTING 4 SECTION TRAFFIC SIGNAL HEAD
- EXISTING 2-SECTION COUNTDOWN PEDESTRIAN SIGNAL HEAD
- PROPOSED 2-SECTION LED COUNT-DOWN PEDESTRIAN SIGNAL HEAD (ALL LENSES 12")
- PROPOSED 3-SECTION LED TRAFFIC SIGNAL HEAD (ALL LENSES 12 INCHES)
- PROPOSED LED BICYCLE-ONLY TRAFFIC SIGNAL HEAD (ALL LENSES 12 INCHES)
- EXISTING ADA RAMP
- PROPOSED WHEELCHAIR RAMP

100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 10 0 20 40
1" = 20'-0" HORIZ.

N

S.L.F. NO.

APPROVED BY ____ DATE

SEQUENCE OF OPERATION DRAWING TS-509-H

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

20TH STREET AND VIRGINIA AVENUE, N.W.
TRAFFIC SIGNAL MODIFICATION

SUBMITTED: TRAFFIC SIGNAL PROJECT ENGINEER ____ DATE
RECOMMENDED: TRAFFIC SIGNAL DESIGN PROJECT MANAGER ____ DATE
ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER ____ DATE
APPROVED: TRAFFIC SIGNAL PROGRAM MANAGER ____ DATE

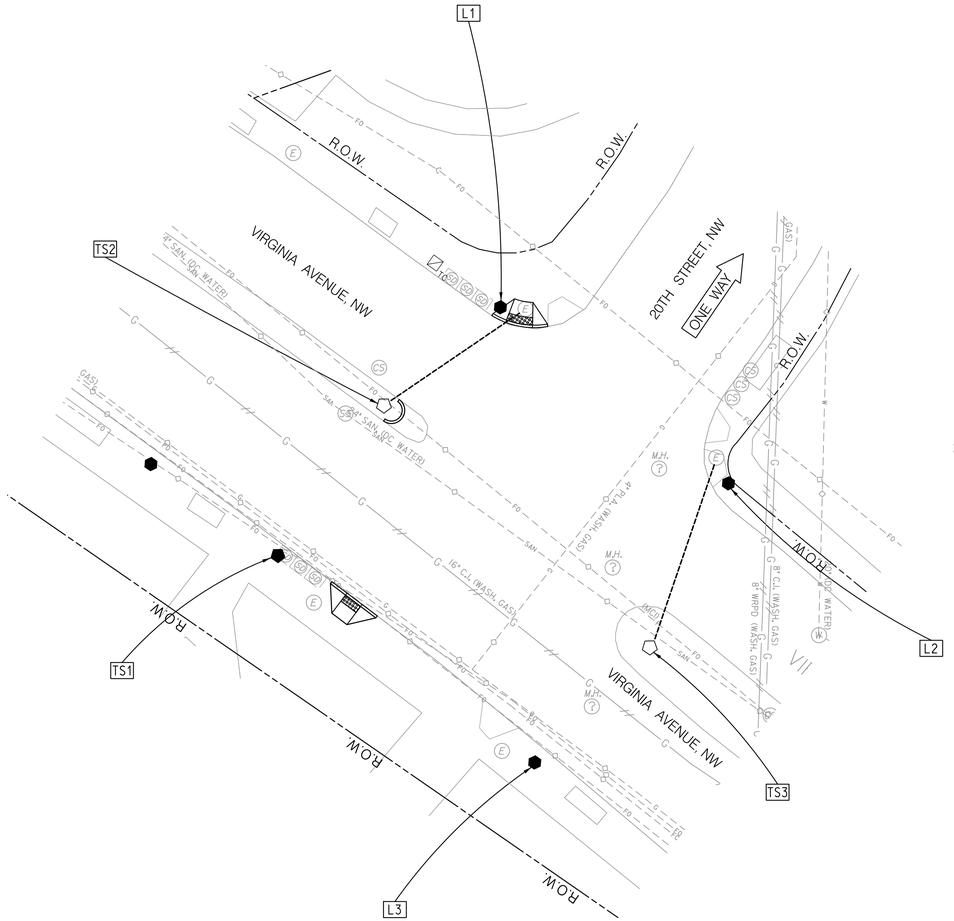
SG-16
ACISA 1131
FINAL
FIELD CHECKED BY IF
DESIGNED BY MWS/IF
DRAWN BY MWS/IF
REVIEWED BY GAB/MWS
DATE 03 /30 /2021
SCALE 1" = 20'
SHEET 1 OF 2
DRAWING NO. S-984-B

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.	STP – 2015 (010)	51	65

GENERAL NOTES:

1. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD SURVEY DATA AND/OR RECORD DRAWINGS. THE LOCATION OF UTILITIES SHOWN IS APPROXIMATE AND THE INFORMATION SHOWN IS NOT NECESSARILY COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UTILITIES WELL IN ADVANCE OF CONDUCTING CONSTRUCTION OPERATIONS WHICH COULD DAMAGE THESE FACILITIES. IN AREAS WHERE PROPOSED CONSTRUCTION MAY CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES. IF A UTILITY IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER OF SAID UTILITY. ANY DAMAGE SUSTAINED TO UTILITIES ABOVE OR BELOW THE GROUND SHALL BE REPAIRED BY OR UNDER THE DIRECTION OF THE OWNER AT CONTRACTOR'S EXPENSE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACKFILL AN EXCAVATION AFFECTING SAID UTILITY WITHOUT FIRST RECEIVING PERMISSION FROM THE UTILITY OWNER.
2. THE CONTRACTOR SHALL EXCAVATE AND LOCATE VERTICALLY AND HORIZONTALLY ALL UTILITIES IN CLOSE PROXIMITY TO THE PROPOSED TRAFFIC SIGNAL WORK AREA AS NECESSARY FOR CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO EXCAVATING.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 2 FOOT HORIZONTAL CLEARANCE TO ALL UTILITIES DURING CONSTRUCTION.
5. CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS.
6. THE UTILITY COMPANY WILL REQUIRE A CONNECTION CHARGE FOR EACH TRAFFIC SIGNAL CONNECTION. THE COST FOR THIS CHARGE IS THE RESPONSIBILITY OF THE PERMITTEE OR HIS CONTRACTOR.



LEGEND:

- PROPOSED TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND BOLT ON UPS UNIT
- PROPOSED 28-FOOT PENDANT POST STREETLIGHT POLE WITH LUMINAIRE AND A STEEL TRANSFORMER BASE
- LUMINAIRE AND SUPPORT ARM INDICATING DIRECTION OF LIGHT
- PROPOSED 20 FOOT TRAFFIC SIGNAL POLE WITH STEEL TRANSFORMER BASE
- EXISTING WHEELCHAIR RAMP
- PROPOSED WHEELCHAIR RAMP
- PROPOSED LOCATION FOR PEPCO POWER CONNECTION
- EXISTING FIRE HYDRANT
- EXISTING COMBINED SANITY SEWER AND STORM DRAINAGE MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING WATER MANHOLE
- EXISTING PEPCO ELECTRICAL MANHOLE
- EXISTING DDOT MANHOLE (3'X3'X3')
- EXISTING UNDERGROUND SANITARY SEWER
- EXISTING UNDERGROUND COMBINED SEWER UTILITY
- EXISTING UNDERGROUND GAS UTILITY
- EXISTING ABANDONED UNDERGROUND GAS UTILITY
- EXISTING UNDERGOUND WATER UTILITY
- EXISTING UNDERGROUND FIBER OPTIC UTILITY
- PROPOSED DDOT ELECTRICAL PVC CONDUIT
- RIGHT OF WAY LINE

100% SUBMISSION
NOT FOR CONSTRUCTION

GRAPHIC SCALE
20 10 0 20 40
1" = 20'-0" HORIZ.

N

S.L.F. NO.

APPROVED BY _____ DATE

SEQUENCE OF OPERATION DRAWING TS–509–H

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

20TH STREET AND VIRGINIA AVENUE, N.W.
UTILITY PLAN

SUBMITTED: _____ TRAFFIC SIGNAL PROJECT ENGINEER _____ DATE

RECOMMENDED _____ TRAFFIC SIGNAL DESIGN PROJECT MANAGER _____ DATE

_____ ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE

APPROVED _____ TRAFFIC SIGNAL PROGRAM MANAGER _____ DATE

SG–17	
ACISA 1131	
FINAL	
FIELD CHECKED BY	
DESIGNED BY	MWS/IF
DRAWN BY	MWS/IF
REVIEWED BY	GAB/MWS
DATE	03 /30 /2021
SCALE	1" = 20'
SHEET / OF	2 / 2
DRAWING NO.	S-984-B

REVISION								
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		52	65

GENERAL NOTES:

A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE. THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AND ALL MOUNTING HARDWARE AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
E. THE CONTRACTOR SHALL RETURN ALL REMOVED AND SALVAGED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP. CONTACT MR. HARVEY ALEXANDER 72 HOURS IN ADVANCE AT (202) 671-1485 TO ARRANGE SERVICE OR AS DIRECTED BY THE ENGINEER.
F. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FOOT CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
G. STREETLIGHT LUMINAIRES MUST BE MAINTAINED ALL THE TIME. USE PROPOSED STREETLIGHTS AS NECESSARY.
H. THE CONTRACTOR SHALL BUILD THIS PLAN IN ACCORDANCE WITH THE CONTRACT SPECIAL REVISIONS AND TERMS.
I. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
J. NO CHANGES FROM PLANS IN LOCATION OF THE SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC ENGINEERING AND SIGNALS DIVISION.
K. SEE SIGNING AND PAVEMENT MARKING PLANS FOR SIGNING AND PAVEMENT MARKING DETAILS.
L. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERMANENT RESTORATION OF ALL DISTURBED PAVEMENT, REPAIRED MARKINGS, CURBS, SIDEWALKS, AND LANDSCAPING IRRIGATION AREAS DURING CONSTRUCTION AND AT THE END OF CONSTRUCTION.
M. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED SHIELDED 7-CONDUCTOR 14 AWG STRANDED CABLE FROM EACH OF THE PROPOSED SIGNAL HEADS TO THE EXISTING CABINET VIA THE EXISTING CONDUIT SYSTEM INCLUDING EXISTING DDOT AND/OR PEPCO CONDUITS AND MANHOLES. THE CONTRACTOR SHALL IDENTIFY THE EXISTING MANHOLES AND CONDUIT PATHS IN THE FIELD AND MARK THEM NEATLY ON THE PLANS TO BE SUBMITTED AS PART OF THE AS-BUILT DRAWINGS. IF THE EXISTING CONDUIT PATH CANNOT BE IDENTIFIED OR IS OBSTRUCTED/DAMAGED THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT MR. HARVEY ALEXANDER (HARVEY.ALEXANDER@DC.GOV OR 202-671-1485) FOR ASSISTANCE.

CABLE NOTES:

A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL SIGNAL HEADS.

SPECIAL NOTES:

A. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PAVEMENT MARKINGS UNTIL PROPOSED MARKINGS AND OPERATION ARE READY TO BE INSTALLED/ACTIVATED.

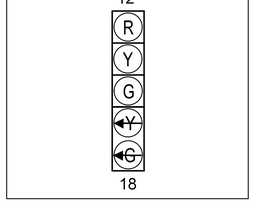
INSTALLATION NOTES:

A. INSTALL LED TRAFFIC SIGNAL HEAD(S) WITH REFLECTIVE BACKPLATE.
B. INSTALL TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.
C. INSTALL TRAFFIC SIGN(S) AND U-POST PER THE SIGNING AND PAVEMENT MARKING PLANS.

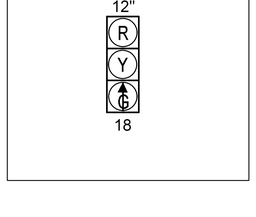
REMOVAL NOTES:

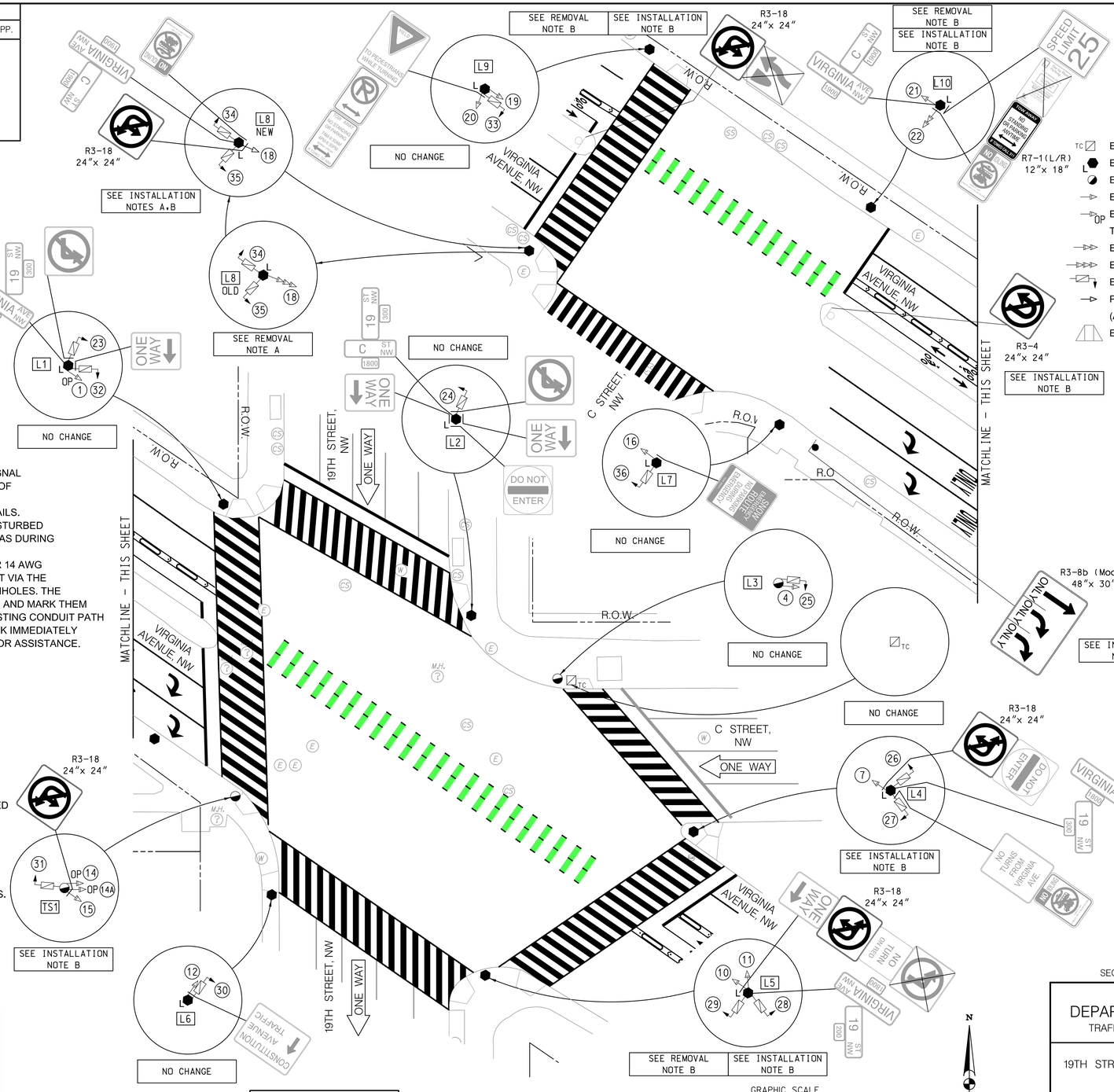
A. REMOVE EXISTING TRAFFIC SIGNAL HEAD(S).
B. REMOVE EXISTING TRAFFIC SIGN(S) PER THE SIGNING AND PAVEMENT MARKING PLANS.

EXISTING TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE REMOVED



PROPOSED TRAFFIC SIGNAL HEAD DISPLAY(S) TO BE INSTALLED





100% SUBMISSION
NOT FOR CONSTRUCTION

JMT

S.L.F. NO.

APPROVED BY DATE

SEQUENCE OF OPERATION DRAWING TS-60-N

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

19TH STREET, C STREET AND VIRGINIA AVENUE, N.W.
TRAFFIC SIGNAL MODIFICATION

SUBMITTED: TRAFFIC SIGNAL PROJECT ENGINEER DATE

RECOMMENDED: TRAFFIC SIGNAL DESIGN PROJECT MANAGER DATE

ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER DATE

APPROVED: TRAFFIC SIGNAL PROGRAM MANAGER DATE

SG-18	
ACISA 1103	
FINAL	
FIELD CHECKED BY	IF
DESIGNED BY	MWS/IF
DRAWN BY	MWS/IF
REVIEWED BY	GAB/MWS
DATE	03 /30 /2021
SCALE	1" = 20'
SHEET / OF	1 / 1
DRAWING NO.	S-1010-A

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
-	D.C.		53	65

GENERAL NOTES:

A. THE LOCATION OF THE UTILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD OBSERVATION AND/OR RECORD DRAWINGS. THE INFORMATION SHOWN IS NOT NECESSARILY COMPLETE AND THE LOCATION OF THE UTILITIES SHOWN IS APPROXIMATE. VERIFICATION WILL BE DONE OF THE EXISTENCE OF ALL UTILITIES IN ADVANCE OF CONDUCTING CONSTRUCTION OPERATIONS THAT COULD DAMAGE THESE UTILITIES.

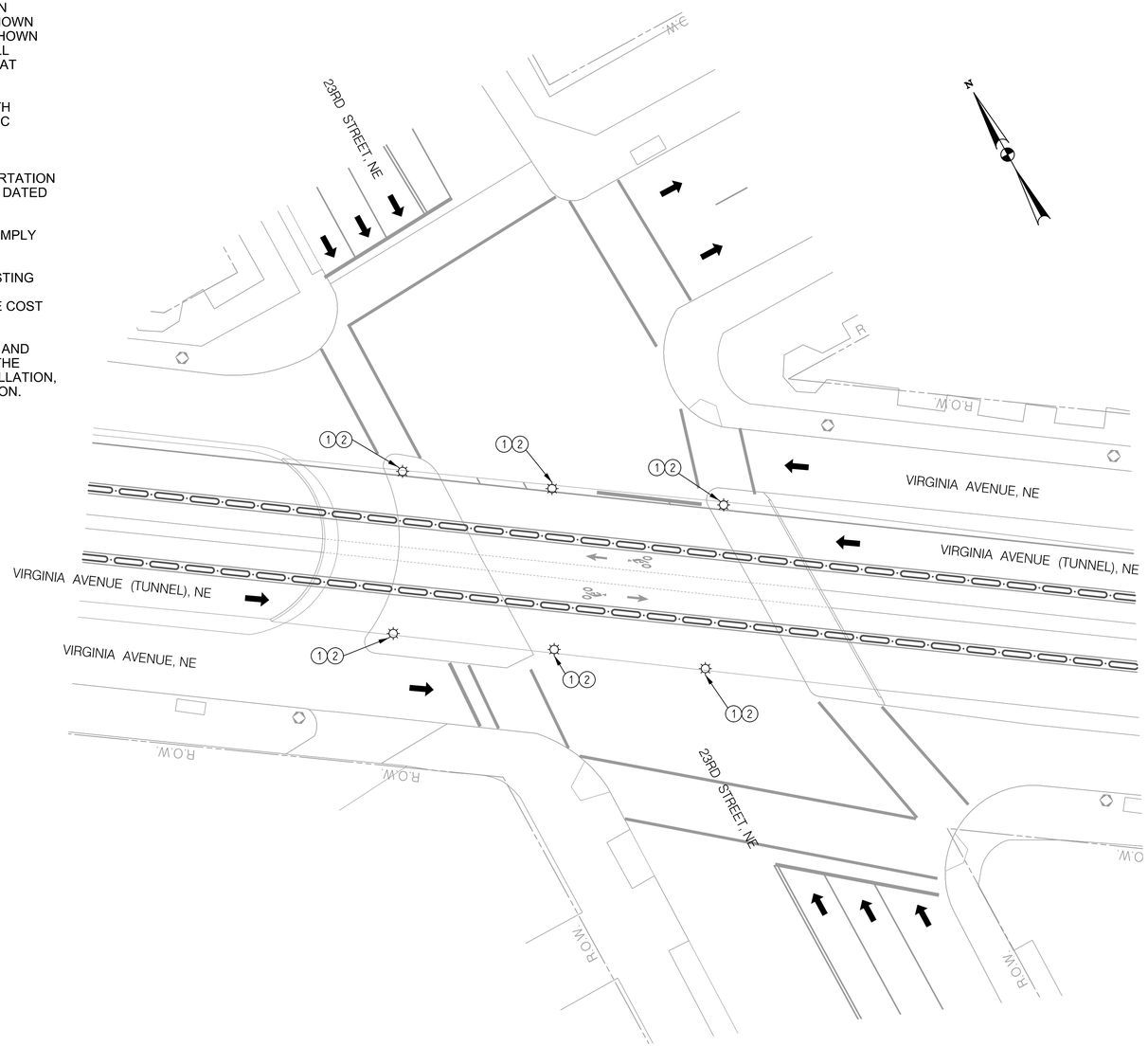
B. MAINTENANCE OF TRAFFIC FOR LIGHTING SHALL BE IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS AND THE D.C. TEMPORARY TRAFFIC CONTROL MANUAL - 2006 EDITION.

C. ALL WORK RELATING THE ROADWAY LIGHTING SHALL COMPLY WITH THE APPROPRIATE PROVISIONS OF THE DISTRICT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2013 AND THE STANDARD DRAWINGS DATED AUGUST 2015.

D. REMOVAL OF EXISTING ROADWAY LIGHTING INFRASTRUCTURE SHALL COMPLY WITH SECTION 614 OF THE DDOT STANDARD SPECIFICATIONS.

E. CONTRACTOR TO PROVIDE TEMPORARY NIGHTTIME LIGHTING WHEN EXISTING LIGHTING IS OUT OF SERVICE AND VIRGINIA AVENUE, NW IS OPEN TO TRAFFIC. COST FOR TEMPORARY LIGHTING SHALL BE INCIDENTAL TO THE COST FOR PERMANENT LIGHTING.

F. IT IS ASSUMED THAT THE EXISTING LIGHTING POWER SOURCE, CONDUIT, AND CABLES ARE IN WORKING CONDITION AND ARE ADEQUATE TO OPERATE THE PROPOSED LUMINAIRES. IF ANY ISSUES ARE DISCOVERED DURING INSTALLATION, THE CONTRACTOR SHALL STOP WORK AND CONTACT DDOT FOR DIRECTION.



SHEET CONSTRUCTION NOTES:

1. EXISTING UNDERBRIDGE LUMINAIRE TO BE REMOVED (6 LUMINAIRES TOTAL).
2. PROPOSED WALL MOUNTED LED UNDERBRIDGE LUMINAIRE (6 LUMINAIRES TOTAL). LUMINAIRE SHALL BE 130 WATTS, TYPE III DISTRIBUTION, AND 3000K COLOR TEMPERATURE.

LUMINAIRE LEGEND

WALL MOUNTED
UNDERBRIDGE LIGHT

20' 0 20' 40'
SCALE: 1"=20'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

LT–01

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

23RD STREET, NW TUNNEL
STREET LIGHTING PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

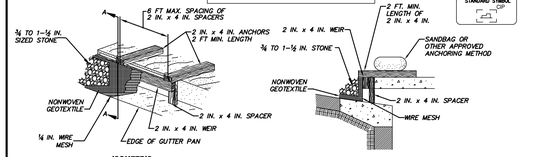
DIVISION CHIEF
DATE
FILE
SHEET OF

Q:\2017\17I2985_I5B_VA_PBL_Final\CADD\pLT-0001_VAAVE.dgn $PENTBLS$
Tuesday, March 30, 2021 AT 03:03 PM $PLTDRVS$

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		54	65

MAXIMUM DRAINAGE AREA = ¼ ACRE

STANDARD SYMBOL: CUP



ISOMETRIC

SECTION A-A

CONSTRUCTION SPECIFICATIONS

1. ATTACH A CONTINUOUS PIECE OF 1/2 INCH x 1/2 INCH WIRE MESH, (30 INCHES MINIMUM WIDTH BY THROAT LENGTH, PLUS 4 FEET) TO THE 2-INCH x 4-INCH WEIR (MEASURING THROAT LENGTH PLUS 2 FEET) AS SHOWN ON THE STANDARD DRAWING.
2. PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E OF THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH TO THE 2-INCH x 4-INCH WEIR.
3. SECURELY NAIL THE 2-INCH x 4-INCH WEIR TO A 9-INCH LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAXIMUM 4 FEET APART).
4. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2-FOOT LENGTHS OF 2-INCHES x 4-INCHES TO THE TOP OF THE WEIR AT SPACER LOCATIONS). EXTEND THESE 2-INCH x 4-INCH ANCHORS ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHT.
5. PLACE THE ASSEMBLY SO THAT THE END SPACERS ARE 1 FOOT BEYOND BOTH ENDS OF THE THROAT OPENING.
6. FORM THE 1/2-INCH x 1/2-INCH WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 3/4 TO 1-1/2 INCH STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE GEOTEXTILE FABRIC AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
8. ASSURE THAT STORM FLOWS DO NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT THE FLOW TO THE INLET.
9. IF THERE ARE ANY SIGNS OF STREET FLOODING OR WATER PONDING, THIS STRUCTURE MUST BE CLEANED OR REPLACED, OR REDESIGNED WITH A VIABLE ALTERNATIVE SUCH AS 3.3 FILTER SOCK.

*NOTE: FILTER SOCK IS AN ALTERNATIVE WHICH IS EASIER TO INSTALL AND MAINTAIN THAN THIS STANDARD DESIGN.

DATE	APPR
REVISED	
ISSUED	
REFERENCE	

CURB INLET PROTECTION
STORM DRAIN INLET PROTECTION

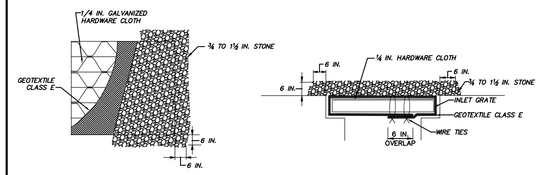
DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 307.3

SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS

MAXIMUM DRAINAGE AREA = ¼ ACRE

STANDARD SYMBOL: INLET



PLAN/CUT AWAY VIEW

CROSS SECTION

CONSTRUCTION SPECIFICATIONS

1. LIFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL OPENINGS, SECURE WITH WIRE TIES, THEN SET GRATE BACK IN PLACE.
2. PLACE CLEAN ¾ TO 1-½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 4 TO 6 INCHES THICK ON THE GRATE TO SECURE THE FABRIC.
3. IF THERE ARE ANY SIGNS OF STREET FLOODING OR WATER PONDING, THIS STRUCTURE MUST BE CLEANED OR REPLACED, OR REDESIGNED WITH A VIABLE ALTERNATIVE.

DATE	APPR
REVISED	
ISSUED	
REFERENCE	

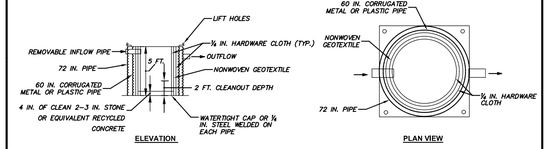
AT GRADE INLET PROTECTION
STORM DRAIN INLET PROTECTION

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 307.2

SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS

STANDARD SYMBOL: PIST



ELEVATION

PLAN VIEW

CONSTRUCTION SPECIFICATIONS

1. USE 60 INCH CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER FOR THE INNER PIPE. LINE PIPE WITH NONWOVEN GEOTEXTILE SANDWICHED BETWEEN, AND ATTACHED TO, ¼ INCH HARDWARE CLOTH.
2. OVERLAP GEOTEXTILE 8 INCHES MINIMUM AT VERTICAL SEAM AND AT THE BOTTOM PLATE.
3. ANCHOR GEOTEXTILE AT BOTTOM OF TANK WITH 4 INCHES OF 2 TO 3 INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE.
4. USE 72 INCH CORRUGATED METAL OR PLASTIC OUTER PIPE WITH PERMANENT OUTFLOW PIPE WITH INVERT LOWER THAN INFLOW PIPE.
5. INFLOW PIPE MUST DISCHARGE INTO INNER PIPE AND BE REMOVABLE.
6. PLACE TANK ON LEVEL SURFACE AND DISCHARGE TO A STABLE AREA AT A NON-EROSIVE RATE.

DATE	APPR
REVISED	
ISSUED	
REFERENCE	

PORTABLE SEDIMENT TANK - 2
(VERTICAL)

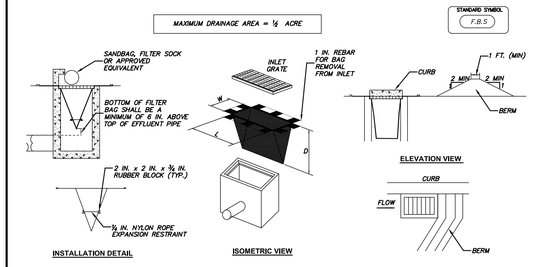
DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 703.2

SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS

MAXIMUM DRAINAGE AREA = ⅛ ACRE

STANDARD SYMBOL: F.B.S



INSTALLATION DETAIL

ISOMETRIC VIEW

PLAN VIEW

CONSTRUCTION SPECIFICATIONS

1. INSTALL PROPRIETARY FILTER BAG PRODUCTS PER MANUFACTURER'S RECOMMENDATIONS.
2. GEOTEXTILE MUST MEET THE SPECIFICATIONS OUTLINED IN TABLE 3.9– GEOTEXTILE MATERIAL PROPERTIES FOR INLET FILTER BAG.
3. INSPECT FILTER BAGS ON A WEEKLY BASIS OR AFTER EACH RAINFALL EVENT, WHICHEVER IS SOONER.
4. CLEAN FILTER BAGS AND/OR REPLACE WHEN THE BAG IS HALF FULL.
5. REPLACE DAMAGED FILTER BAGS IMMEDIATELY.
6. INITIATE NEEDED REPAIRS IMMEDIATELY AFTER THE INSPECTION.

DATE	APPR
REVISED	
ISSUED	
REFERENCE	

INLET FILTER BAG
CURBED ROADWAY

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 309.1

PROJECT NARRATIVE

THE PROJECT INVOLVES THE IMPLEMENTATION OF PROTECTED BICYCLE LANES ALONG THE VIRGINIA AVENUE, NW CORRIDOR. THE GOAL OF THE PROJECT IS TO IMPROVE CYCLEABILITY. THE PROJECT WILL CONSIST OF THE FOLLIWNG WORK:

1. GEOMETRIC MODIFICATIONS IN THE VICINITY OF ROCK CREEK AND POTOMAC PARKWAY, NW.
2. MEDIAN REMOVAL AND ISLAND MODIFICATIONS AT 25TH STREET, NW.
3. MEDIAN REMOVAL BETWEEN E STREET, NW AND 20TH STREET, NW.
4. PAVEMENT MARKING ALONG THE VIRGINIA AVE, NW CORRIDOR INCLUDING THE DELINEATION OF BICYCLE LANES.

THE EROSION AND SEDIMENT CONTROL PLANS PROVIDE AN EROSION AND SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION AND MEASURES TO CONTROL EROSION AND SEDIMENT FOR CLEARING AND GRUBBING AND FOR CONSTRUCTION OF THE PROJECT .

PROJECT SITE INFORMATION

DISTURBED AREA: 0.03 ACRES, 1,478 S.F.*
EARTHWORK VOLUMES: CUT: 200.00 CY ±
FILL: 0.00 CY ±

*MEDIAN REMOVAL IS NOT INCLUDED AS IT IS ASSUMED THAT SUBGRADE WILL NOT BE DISTURBED.

DOEE SOIL EROSION AND SEDIMENT CONTROL PLAN GENERAL NOTES

1. Following initial land disturbance or re-disturbance, permanent or interim stabilization must be completed within seven (7) calendar days for the surfaces of all perimeter controls, dikes, swales, ditches, perimeter slopes, and slopes greater than three (3) horizontal to one (1) vertical (3:1); and fourteen (14) days for all other disturbed or graded areas on the project site. These requirements do not apply to areas shown on the plan that are used for material storage other than stockpiling, or for those areas on the plan where actual construction activities are being performed. Maintenance shall be performed as necessary so that stabilized areas continuously meet the appropriate requirements of the District of Columbia Standards and Specifications for Soil Erosion and Sediment Control (ESC). [21 DCMR § 542.9 (o)]
2. ESC measures shall be in place before and during land disturbance. [21 DCMR § 543.6]
3. Contact DOEE Inspection (202) 535-2977 to schedule a preconstruction meeting at least three (3) business days before the commencement of a land-disturbing activity. [21 DCMR § 503.7 (a)]
4. A copy of the approved plan set will be maintained at the construction site from the date that construction activities begin to the date of final stabilization and will be available for DOEE inspectors. [21 DCMR § 542.15]
5. ESC measures shall be in place to stabilize an exposed area as soon as practicable after construction activity has temporarily or permanently ceased but no later than fourteen (14) days following cessation, except that temporary or permanent stabilization shall be in place at the end of each day of underground utility work that is not contained within a larger development site. [21 DCMR § 543.7]
6. Stockpiled material being actively used during a phase of construction shall be protected against erosion by establishing and maintaining perimeter controls around the stockpile. [21 DCMR § 543.16 (a)]
7. Stockpiled material not being actively used or added to shall be stabilized with mulch, temporary vegetation, hydro-seed or plastic within fifteen (15) calendar days after its last use or addition. [21 DCMR § 543.16 (b)]
8. Fill material must be free of contamination levels of any pollutant that is, or may be considred to represent, a possible health hazard to the public or may be detrimental to surface or ground water quality, or which may cause damage to property or the drainage system. All fill material must be free of hazardous materials and comply with all applicable District and federal regulations.
9. Protect best management practices from sedimentation and other damage during construction for proper post construction operation. [21 DCMR § 543.5]
10. Request a DOEE inspector's approval after the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. [21 DCMR § 542.12 (a)]
11. Request a DOEE inspector's approval after final stabilization of the site and before the removal of erosion and sediment controls. [21 DCMR § 542.12 (b)]
12. Final stabilization means that all land-disturbing activities at the site have been completed and either of the following two criteria have been met: (1) a uniform (for example, evenly distributed, without large bare areas) perennial vegetative cover with a density of seventy percent (70%) of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or (2) equivalent permanent stabilization measures have been employed (such as the use of riprap, gabions, or geotextiles). [21 DCMR § 542.12 (b.1, b.2)]
13. Follow the requirements of the United States Environmental Protection Agency approved Stormwater Pollution Prevention Plan (SWPPP) and maintain a legible copy of this SWPPP on site. [21 DCMR § 543.10 (b)]
14. Post a sign that notifies the public to contact DOEE in the event of erosion or other pollution. The sign will be placed at each entrance to the site or as directed by the DOEE inspector. Each sign will be no less than 18 x 24 inches in size and made of materials that will withstand weather for the duration of the project. Lettering will be at least 1 inch in height and easily readable by the public from a distance of twelve feet (12 ft). The sign must direct the public, in substantially the following form: "To Report Erosion, Runoff, or Stormwater Pollution" and will provide the construction site address, DOEE's telephone number (202-535-2977), DOEE's e-mail address (IEB.scheduling@dc.gov), and the 311 mobile app heading ("Construction-Erosion Runoff"). [21 DCMR § 543.22]
15. A Responsible Person must be present or available while the site is in a land-disturbing phase. The Responsible Person is charged with being available to (a) inspect the site and its ESC measures at least once biweekly and after a rainfall event to identify and remedy each potential or actual erosion problem, (b) respond to each potential or actual erosion problem identified by construction personnel, and (c) speak on site with DOEE to remedy each potential or actual erosion problem. A Responsible Person shall be (a) licensed in the District of Columbia as a civil or geotechnical engineer, a land surveyor, or architect; or (b) certified through a training program that DOEE approves, including a course on erosion control provided by another jurisdiction or professional association. During construction, the Responsible Person shall keep on site proof of professional licensing or of successful completion of a DDOE-approved training program. [21 DCMR § 547]

NO.	DESCRIPTION	NAME	DATE

REVISIONS

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

ES–01

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

EROSION AND SEDIMENT CONTROL
NOTES AND DETAILS

PROJECT ENG. ____
DESIGNED BY WRB
CHECKED BY GAB
DRAWN BY WRB
PROJECT MGR. ____

DIVISION CHIEF
DATE ____
FILE ____
SHEET 01 OF 05

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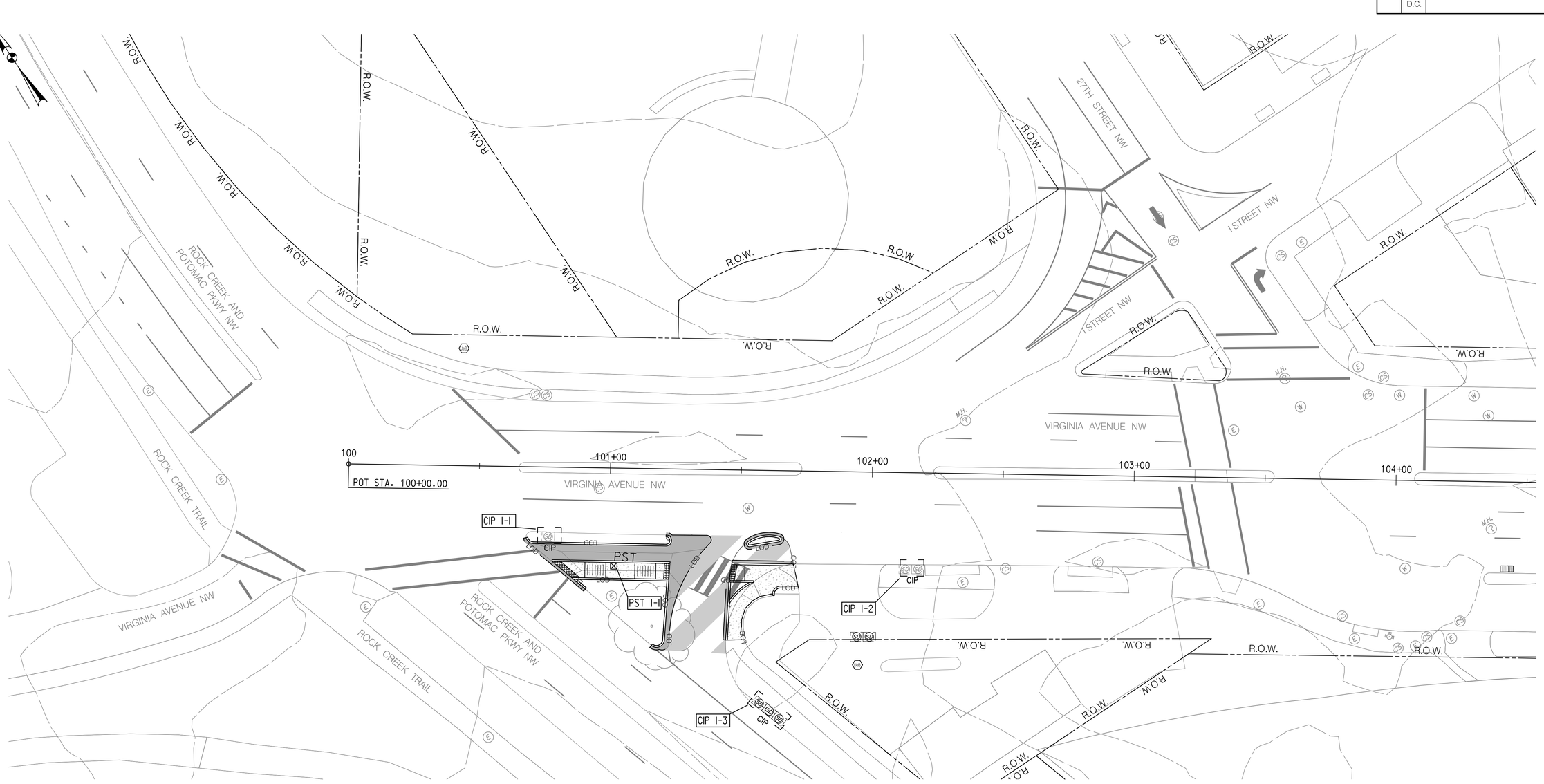
Tuesday, March 30, 2021 AT 07:49 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		55	65



LEGEND

R.O.W.	RIGHT-OF-WAY
	HYDRAULIC SOIL GROUP BOUNDARY
(XB)	HYDRAULIC SOIL GROUP TYPE
	EXISTING CONTOUR
LOD LOD	LIMIT OF DISTURBANCE
CIP	CURB INLET PROTECTION
AGIP	AT GRADE INLET PROTECTION
PST	PORTABLE SEDIMENT TANK
	PAVEMENT REMOVAL /LAND CONVERSION
	PROPOSED WEDGE AND LEVEL
	PROPOSED RECONSTRUCTION

20' 0 20' 40'
SCALE: 1" = 20'

NO.	DESCRIPTION	NAME	DATE

REVISIONS

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

ES–02

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

EROSION & SEDIMENT
CONTROL PLAN

PROJECT ENG. ____
DESIGNED BY WRB
CHECKED BY GAB
DRAWN BY WRB
PROJECT MGR. ____

DIVISION CHIEF
DATE ____
FILE ____
SHEET 02 OF 05

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$PLTDRVS$
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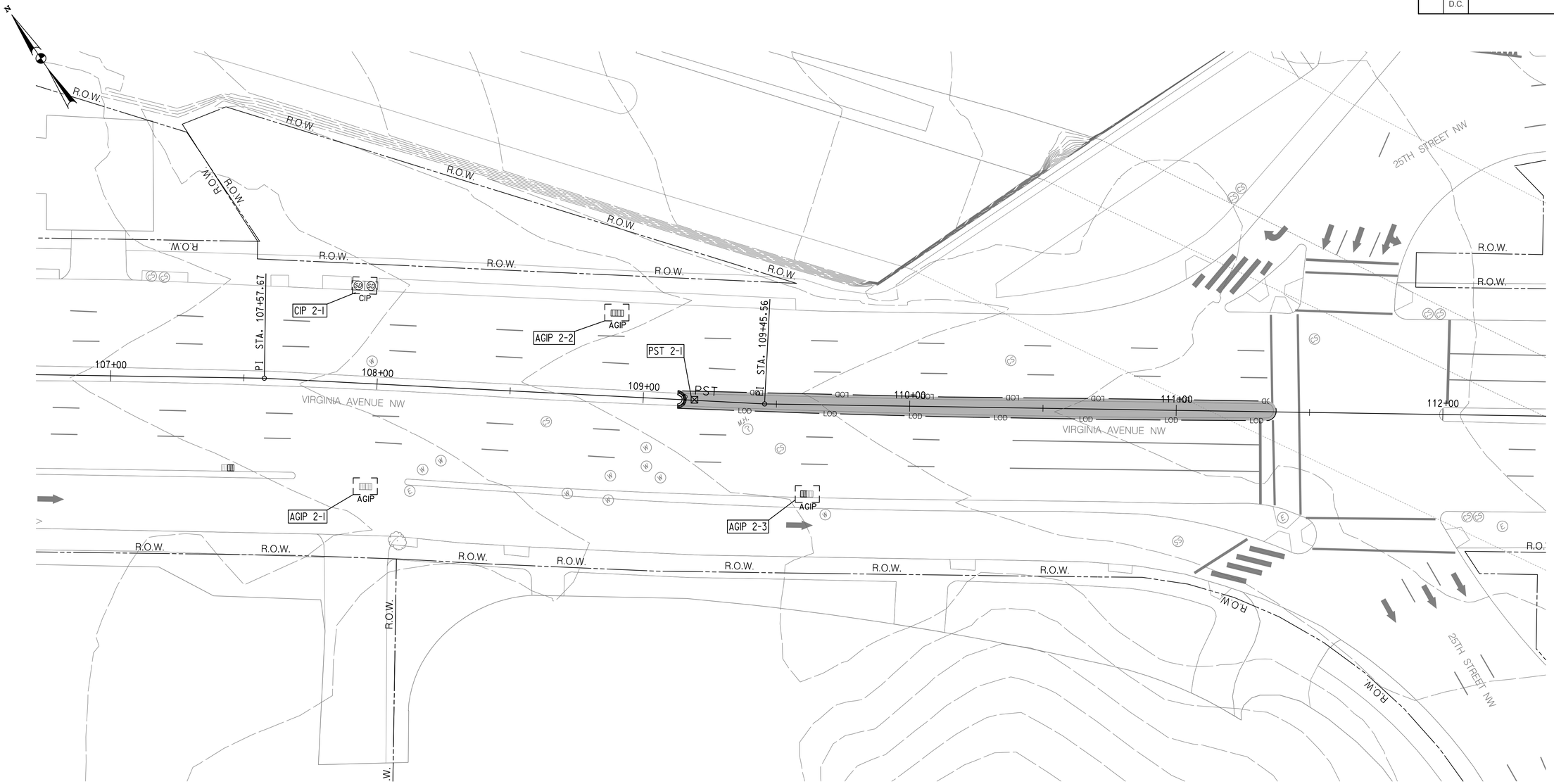
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		56	65



LEGEND

R.O.W.	RIGHT-OF-WAY
	HYDRAULIC SOIL GROUP BOUNDARY
(xx)	HYDRAULIC SOIL GROUP TYPE
	EXISTING CONTOUR
LOD LOD	LIMIT OF DISTURBANCE
CIP	CURB INLET PROTECTION
AGIP	AT GRADE INLET PROTECTION
PST	PORTABLE SEDIMENT TANK
	PAVEMENT REMOVAL /LAND CONVERSION
	PROPOSED RECONSTRUCTION

20' 0 20' 40'
SCALE: 1" = 20'

NO.	DESCRIPTION	NAME	DATE

REVISIONS

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

ES–03

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

EROSION & SEDIMENT
CONTROL PLAN

PROJECT ENG. _____
DESIGNED BY WRB
CHECKED BY GAB
DRAWN BY WRB
PROJECT MGR. _____

DIVISION CHIEF

DATE _____
FILE _____
SHEET 03 OF 05

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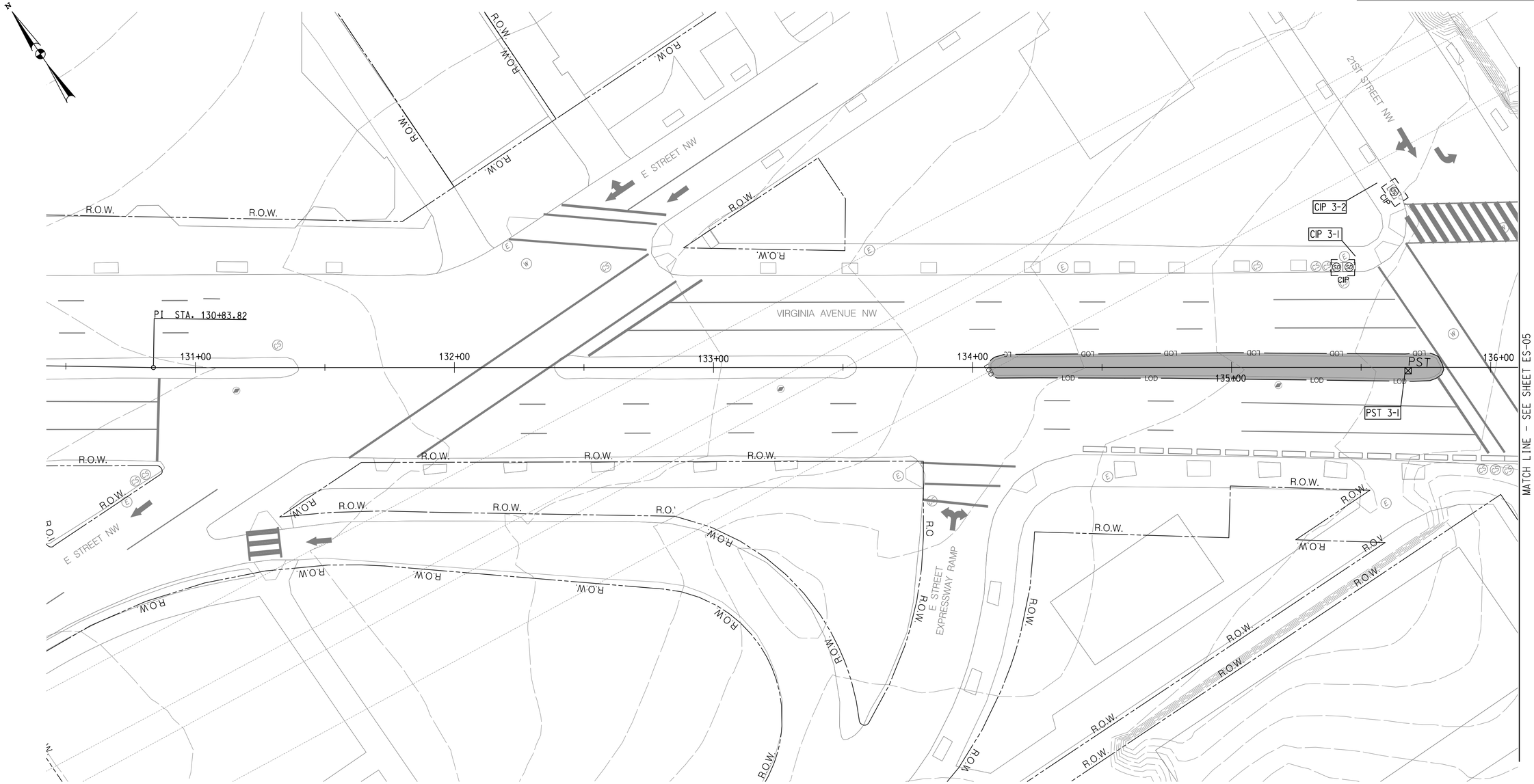
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		57	65



LEGEND

- R.O.W. — RIGHT-OF-WAY
- HYDRAULIC SOIL GROUP BOUNDARY
- HYDRAULIC SOIL GROUP TYPE
- EXISTING CONTOUR
- LOD — LOD — LIMIT OF DISTURBANCE
- CIP — CURB INLET PROTECTION
- AGIP — AT GRADE INLET PROTECTION
- PST — PORTABLE SEDIMENT TANK
- PAVEMENT REMOVAL /LAND CONVERSION
- PROPOSED RECONSTRUCTION

20' 0 20' 40'
SCALE: 1" = 20'

NO.	DESCRIPTION	NAME	DATE

REVISIONS

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

ES–04

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

EROSION & SEDIMENT
CONTROL PLAN

PROJECT ENG. ____
DESIGNED BY WRB
CHECKED BY GAB
DRAWN BY WRB
PROJECT MGR. ____

DIVISION CHIEF
DATE ____
FILE ____
SHEET 04 OF 05

$PENTBL$
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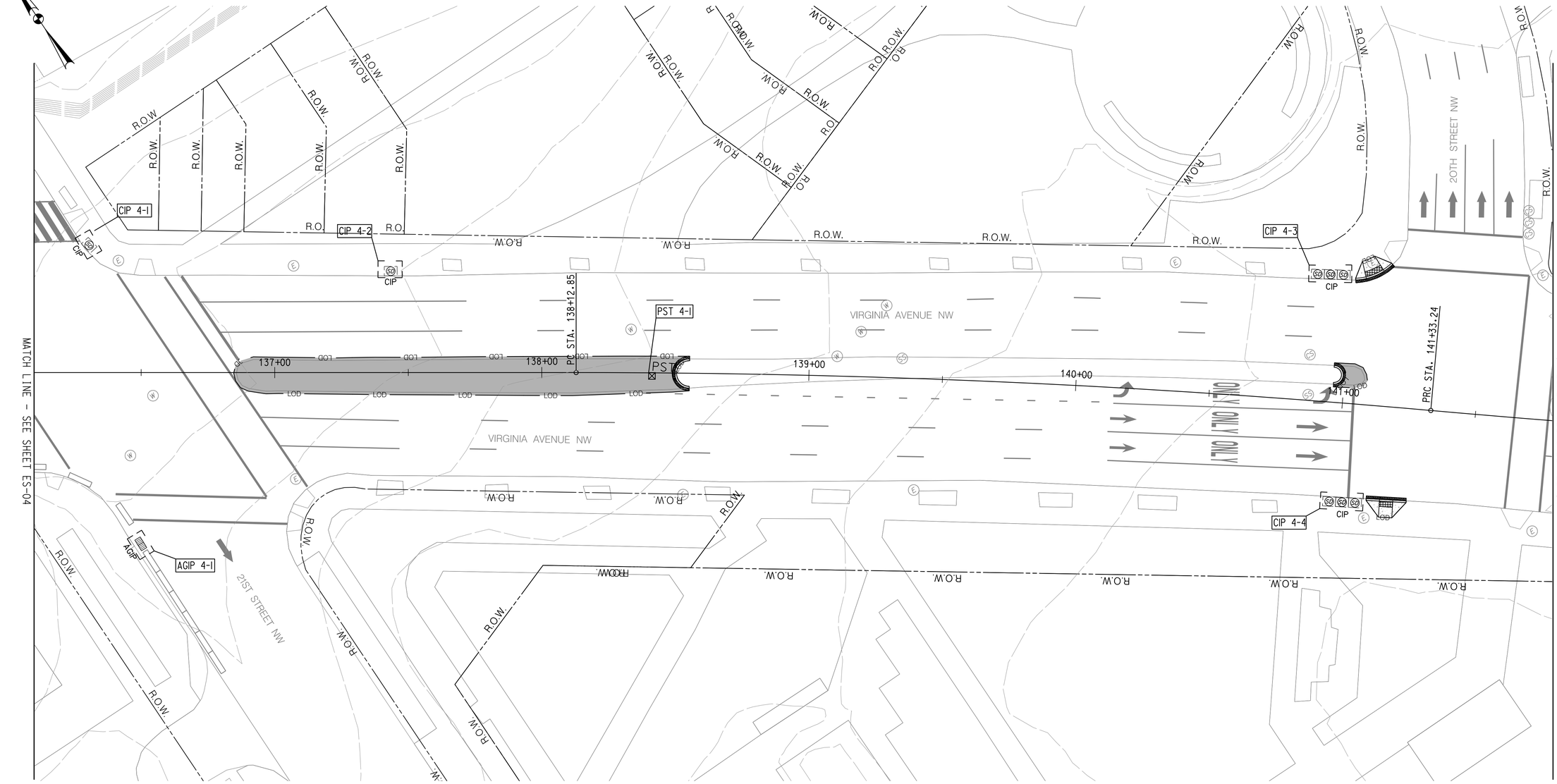
Tuesday, March 30, 2021 AT 07:49 PM
$PLTDRVS$

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		58	65



LEGEND

- R.O.W. — RIGHT-OF-WAY
- HYDRAULIC SOIL GROUP BOUNDARY
- HYDRAULIC SOIL GROUP TYPE
- EXISTING CONTOUR
- LOD — LIMIT OF DISTURBANCE
- CIP — CURB INLET PROTECTION
- AGIP — AT GRADE INLET PROTECTION
- PST — PORTABLE SEDIMENT TANK
- PAVEMENT REMOVAL /LAND CONVERSION
- PROPOSED RECONSTRUCTION

20' 0 20' 40'
SCALE: 1" = 20'

NO.	DESCRIPTION	NAME	DATE

REVISIONS

100% SUBMISSION
NOT FOR CONSTRUCTION

MARCH 30, 2021

ES–05

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

EROSION & SEDIMENT
CONTROL PLAN

PROJECT ENG. ____
DESIGNED BY WRB
CHECKED BY GAB
DRAWN BY WRB
PROJECT MGR. ____

DIVISION CHIEF

DATE ____
FILE ____
SHEET 05 OF 05

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Tuesday, March 30, 2021 AT 07:49 PM
$PENTBLS$
$PLTDRVS$

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		59	65

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION (DDOT) TEMPORARY TRAFFIC CONTROL MANUAL, THE MUTCD, AND THESE PLANS.
2. POSTED SPEEDS FOR VIRGINIA AVENUE SHALL BE 25 MPH.
3. ALL TRAVEL LANES SHALL BE 11' OR GREATER IN WIDTH, UNLESS OTHERWISE APPROVED BY DDOT.
4. PAVEMENT MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
5. ALL EXISTING SIGNS AND PAVEMENT MARKINGS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION UNLESS A CHANGE IS SHOWN ON THE PLAN AND/OR AS DIRECTED BY THE ENGINEER.
6. NO WORK SHALL COMMENCE UNTIL ALL ADVANCE WARNING SIGNS, CHANNELIZATION DEVICES AND PAVEMENT MARKINGS ARE IN PLACE AND OPERATIONAL.
7. FOR OFF-PEAK HOUR WORK ZONES, TYPICAL APPLICATIONS FROM DDOT'S UTILITY WORK ZONE TRAFFIC CONTROL PLAN TYPICAL STANDARDS MAY BE REQUIRED, AS DIRECTED BY DDOT ENGINEER.
8. TYPICAL APPLICATIONS MAY BE MODIFIED AS REQUIRED BASED ON FIELD CONDITIONS, AS DIRECTED BY THE DDOT ENGINEER.
9. THE CONTRACTOR SHALL MAINTAIN, AT A MINIMUM, THE EXISTING LANE WIDTHS FOR OPEN TRAVEL LANES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ANY TEMPORARY 'EMERGENCY NO PARKING' SIGNING REQUIRED TO COMPLETE THE PROJECT. 'EMERGENCY NO PARKING' SIGNAGE SHALL BE INSTALLED AT 100 FOOT INTERVALS ALONG ROADWAYS WITHIN THE LIMITS OF INTENDED PARKING LANE CLOSURES. THE CONTRACTOR SHALL CONTACT THE DPW PARKING ENFORCEMENT MANAGEMENT ADMINISTRATION AT LEAST ONE (1) WEEK IN ADVANCE OF ANY PARKING RESTRICTIONS. UNLESS OTHERWISE APPROVED BY DDOT, THE CONTRACTOR'S WORK AREA SHALL ONLY EXTEND TWO (2) CONSECUTIVE BLOCKS AT ANY ONE TIME.
11. THE CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING TRAFFIC SIGNALS AND ROADWAY AND PEDESTRIAN LIGHTING AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE TO ENSURE NO TRAFFIC SIGNAL EQUIPMENT IS AFFECTED DURING CONSTRUCTION. ALL SIGNAL RELATED EQUIPMENT IMPACTED BY PROPOSED IMPROVEMENTS SHALL BE REMEDIED AT THE CONTRACTOR'S EXPENSE.
12. STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE LOCATED OFF THE TRAVEL LANES AT ALL TIMES.
13. PROPOSED PAVEMENT MARKINGS SHALL BE COMPLETED AS SHOWN ON THE PLANS AS THE CONTRACTOR COMPLETES WORK EFFORTS WITHIN EACH ROADWAY BLOCK. APPLICATION OF FINAL PAVEMENT MARKINGS SHALL NOT BE DELAYED UNTIL A LATER PHASE OF THE PROJECT. CONCRETE CYCLE TRACK BARRIER CURB AND SURFACE MOUNT FLEXIBLE POSTS SHALL ALSO BE INSTALLED AS THE CONTRACTOR COMPLETES WORK WITHIN EACH ROADWAY BLOCK.
14. ALL WORK MUST BE COMPLETED SEQUENTIALLY WITH THE WORK ZONE OCCUPYING A MAXIMUM OF TWO CONSECUTIVE BLOCKS, EITHER MOVING NORTH OR SOUTH.
15. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING WORK. ANY DAMAGE TO UTILITIES MUST BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
16. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTION TO PROTECT ALL WALKS, GRADING, SIDEWALKS, AND FEATURES OUTSIDE THE LIMITS OF WORK, AND SHALL REPAIR AND REPLACE, OR OTHERWISE MAKE GOOD, AS DIRECTED BY THE ENGINEER ANY SUCH OR OTHER DAMAGE SO CAUSED.
17. THE EXISTING BUS STOP CLOSURE OR RELOCATION SHALL BE APPROVED BY WMATA AND DDOT. THE CONTRACTOR SHALL NOT CLOSE TWO CONSECUTIVE BUS STOPS OR ANY EXISTING METROBUS LINE ROUTE AT ALL TIMES.

MAINTENANCE OF TRAFFIC GENERAL NOTES CONT.

18. THE CONTRACTOR SHALL PROVIDE 2 WEEKS ADVANCE NOTIFICATION TO WMATA TO (202-962-6085) PRIOR TO STARTING ANY WORK THAT IMPACTS A BUS STOP.
19. ALL PARKING RESTRICTION SHALL BE INSTALLED AT A 45 DEGREE ANGLE FACING THE LINE OF TRAFFIC FLOW.
20. PARKING METER REMOVAL TO BE DONE BY OTHERS. CONTRACTOR TO COORDINATE WITH THE PARKING AND GROUND TRANSPORTATION DIVISION.
22. SIGNAL WORK SHALL BE COORDINATED WITH TRAFFIC CONTROL OFFICER/MPD OFFICER.
23. PEDESTRIAN AND CYCLIST ACCOMMODATIONS SHALL BE MAINTAINED DURING CONSTRUCTION.
24. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ALLEYS, DRIVEWAYS, RESIDENCES AND BUSINESSES AT ALL TIMES. REFER TO THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES 2013 SECTION 104.02 AND THE SPECIAL PROVISIONS.

MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION

1. CONTRACTOR SHALL DETERMINE, AND NOTIFY DDOT ENGINEER, WHETHER FINAL PROPOSED MARKINGS WILL BE APPLIED AFTER OR PRIOR TO INSTALLATION OF THE CONCRETE CYCLE TRACK BARRIER CURB AND SURFACE MOUNT FLEXIBLE POSTS.
2. CONTRACTOR SHALL DETERMINE, AND NOTIFY DDOT ENGINEER, WHETHER PROJECT IS TO BE COMPLETED WORKING EAST TO WEST OR WEST TO EAST. 'EMERGENCY NO PARKING' SIGNAGE SHALL BE COORDINATED FOR PARKING RESTRICTIONS AS REQUIRED.
3. FOR APPLICATION OF FINAL MARKINGS OR INSTALLATION OF CONCRETE CYCLE TRACK BARRIER CURB AND SURFACE MOUNT FLEXIBLE POSTS, CONTRACTOR SHALL APPLY APPROPRIATE ADVANCED WARNING SIGNING AND TRAFFIC CHANNELIZING DEVICES. CONTRACTOR SHALL COMPLETELY FINISH MARKINGS, CONCRETE CYCLE TRACK BARRIER CURB AND SURFACE MOUNT FLEXIBLE POSTS WITHIN A SINGLE ROADWAY BLOCK BEFORE MOVING SEQUENTIALLY TO THE NEXT BLOCK (NORTH OR SOUTH).
4. IF MARKINGS WERE APPLIED FIRST, CONTRACTOR SHALL OCCUPY THE NEWLY MARKED BIKE LANE AREA TO APPLY CONCRETE CYCLE TRACK BARRIER CURB AND SURFACE MOUNT FLEXIBLE POSTS.
5. IF THE CONCRETE CYCLE TRACK BARRIER CURB AND SURFACE MOUNT FLEXIBLE POSTS WERE INSTALLED FIRST, CONTRACTOR SHALL USE TYPICAL TRAFFIC CONTROL APPLICATIONS TO INSTALL PROPOSED MARKINGS ACROSS THE ROADWAY.
6. MODIFICATIONS TO AND REMOVAL OF EXISTING SIGNING AND THE CONSTRUCTION OF PROPOSED SIGNING SHALL BE PERFORMED DURING THE TIME OF FINAL PAVEMENT MARKING APPLICATION. CONCRETE CYCLE TRACK BARIRER CURB AND SURFACE MOUNT FLEXIBLE POSTS INSTALLATION WITHIN EACH BLOCK. SIGNING EFFORTS SHALL BE COMPLETED FOR EACH BLOCK PRIOR TO SHIFTING WORK EFFORTS SEQUENTIALLY TO THE NEXT BLOCK (NORTH OR SOUTH).

MOT-01

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

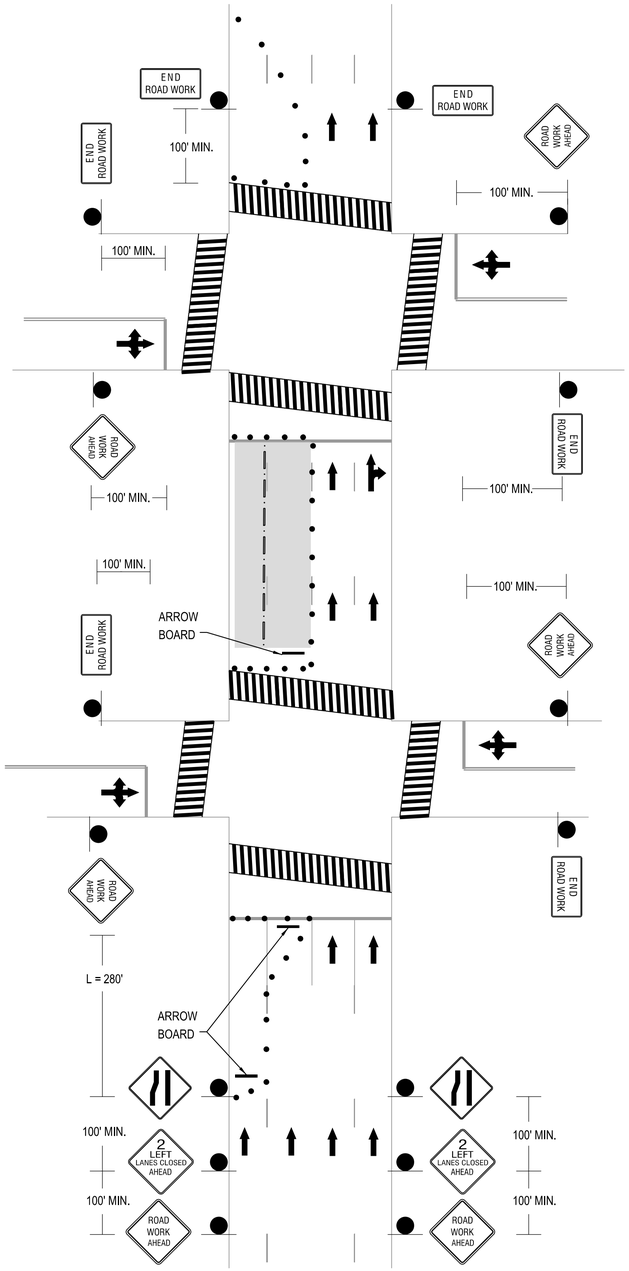
VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

SEQUENCE OF CONSTRUCTION &
MAINTENANCE OF TRAFFIC PLAN

PROJECT ENG. MWS
DESIGNED BY MWS
CHECKED BY GAB
DRAWN BY MWS
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 59 OF 65

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		60	65

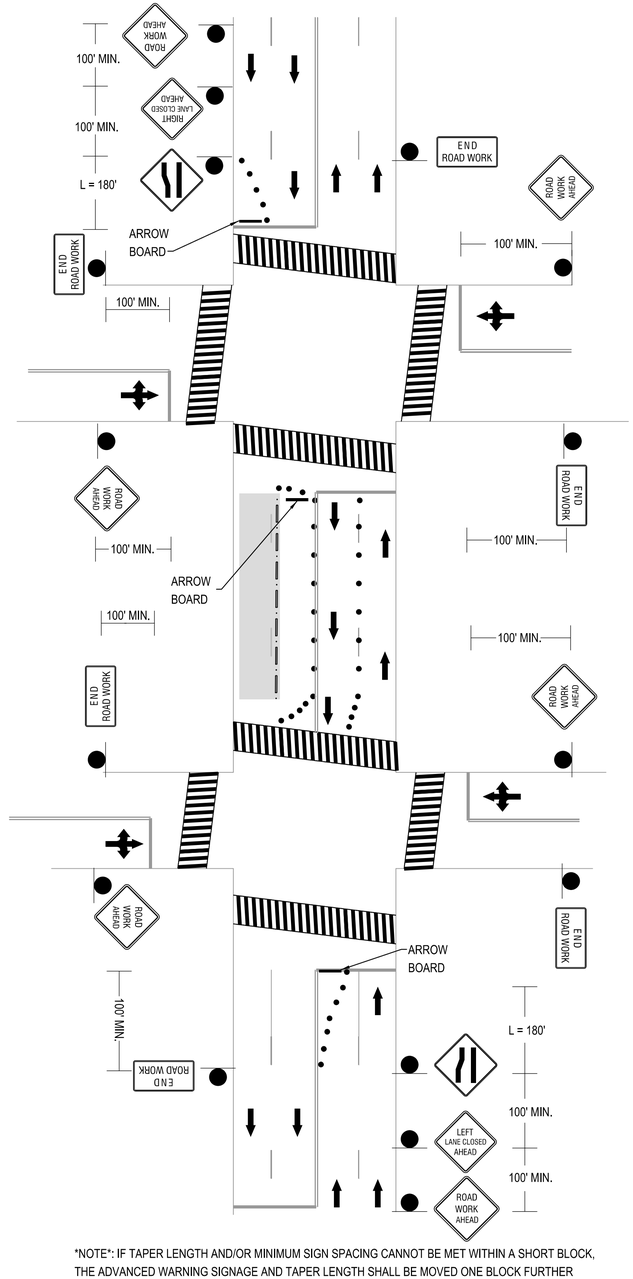


NOTE: IF TAPER LENGTH AND/OR MINIMUM SIGN SPACING CANNOT BE MET WITHIN A SHORT BLOCK, THE ADVANCED WARNING SIGNAGE AND TAPER LENGTH SHALL BE MOVED ONE BLOCK FURTHER NORTH OR SOUTH. ALSO, WORK ZONE SETUP CAN BE SPREAD OVER TWO CONSECUTIVE BLOCKS SHOULD THE CONTRACTOR LOOK TO PERFORM WORK OVER TWO CONSECUTIVE BLOCKS DURING THE SAME WORK TIME PERIOD.

SCHEMATIC DETAIL – ONE WAY TRAFFIC
ADVANCED WARNING SIGNAGE
AND TAPER FOR 2 LANE CLOSURE
N.T.S.

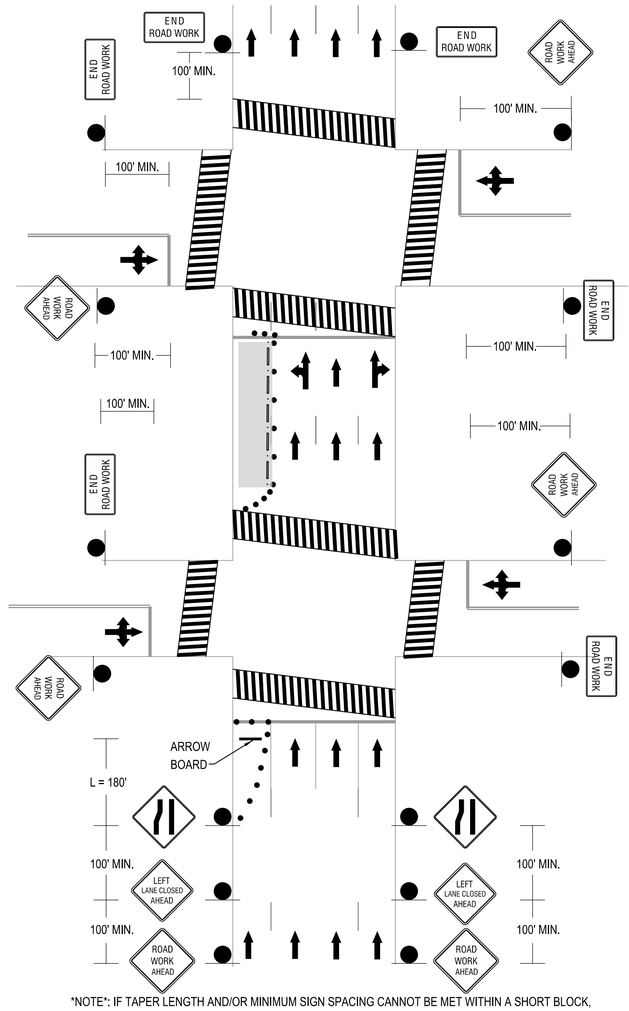
IF TWO LANES NEED TO BE TAKEN OUT OF SERVICE, THEN A SECOND TAPER SHALL BE APPLIED TO CLOSE THE SECOND LANE AND THE LANES CLOSED AHEAD SIGN SHALL READ TWO LEFT / TWO RIGHT LANES CLOSED AHEAD.

THE SCHEMATIC DETAILS ON THIS SHEET ARE GENERALLY BASED ON FIGURES 9-9 AND 9-16 FROM THE 2006 DDOT TEMPORARY TRAFFIC CONTROL MANUAL. THE GENERAL WORK ZONE LAYOUT, ADVANCED SIGNING PLACEMENT, AND DRUM PLACEMENT IS ADOPTED FROM THE TYPICAL FIGURES.



NOTE: IF TAPER LENGTH AND/OR MINIMUM SIGN SPACING CANNOT BE MET WITHIN A SHORT BLOCK, THE ADVANCED WARNING SIGNAGE AND TAPER LENGTH SHALL BE MOVED ONE BLOCK FURTHER NORTH OR SOUTH. ALSO, WORK ZONE SETUP CAN BE SPREAD OVER TWO CONSECUTIVE BLOCKS SHOULD THE CONTRACTOR LOOK TO PERFORM WORK OVER TWO CONSECUTIVE BLOCKS DURING THE SAME WORK TIME PERIOD.

SCHEMATIC DETAIL – TWO WAY TRAFFIC
ADVANCED WARNING SIGNAGE
AND TAPER FOR SINGLE LANE CLOSURE
N.T.S.



NOTE: IF TAPER LENGTH AND/OR MINIMUM SIGN SPACING CANNOT BE MET WITHIN A SHORT BLOCK, THE ADVANCED WARNING SIGNAGE AND TAPER LENGTH SHALL BE MOVED ONE BLOCK FURTHER NORTH OR SOUTH. ALSO, WORK ZONE SETUP CAN BE SPREAD OVER TWO CONSECUTIVE BLOCKS SHOULD THE CONTRACTOR LOOK TO PERFORM WORK OVER TWO CONSECUTIVE BLOCKS DURING THE SAME WORK TIME PERIOD.

SCHEMATIC DETAIL – ONE WAY TRAFFIC
ADVANCED WARNING SIGNAGE
AND TAPER FOR SINGLE LANE CLOSURE
N.T.S.

IF TWO LANES NEED TO BE TAKEN OUT OF SERVICE, THEN A SECOND TAPER SHALL BE APPLIED TO CLOSE THE SECOND LANE AND THE LANES CLOSED AHEAD SIGN SHALL READ TWO LEFT / TWO RIGHT LANES CLOSED AHEAD.

MOT–02

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

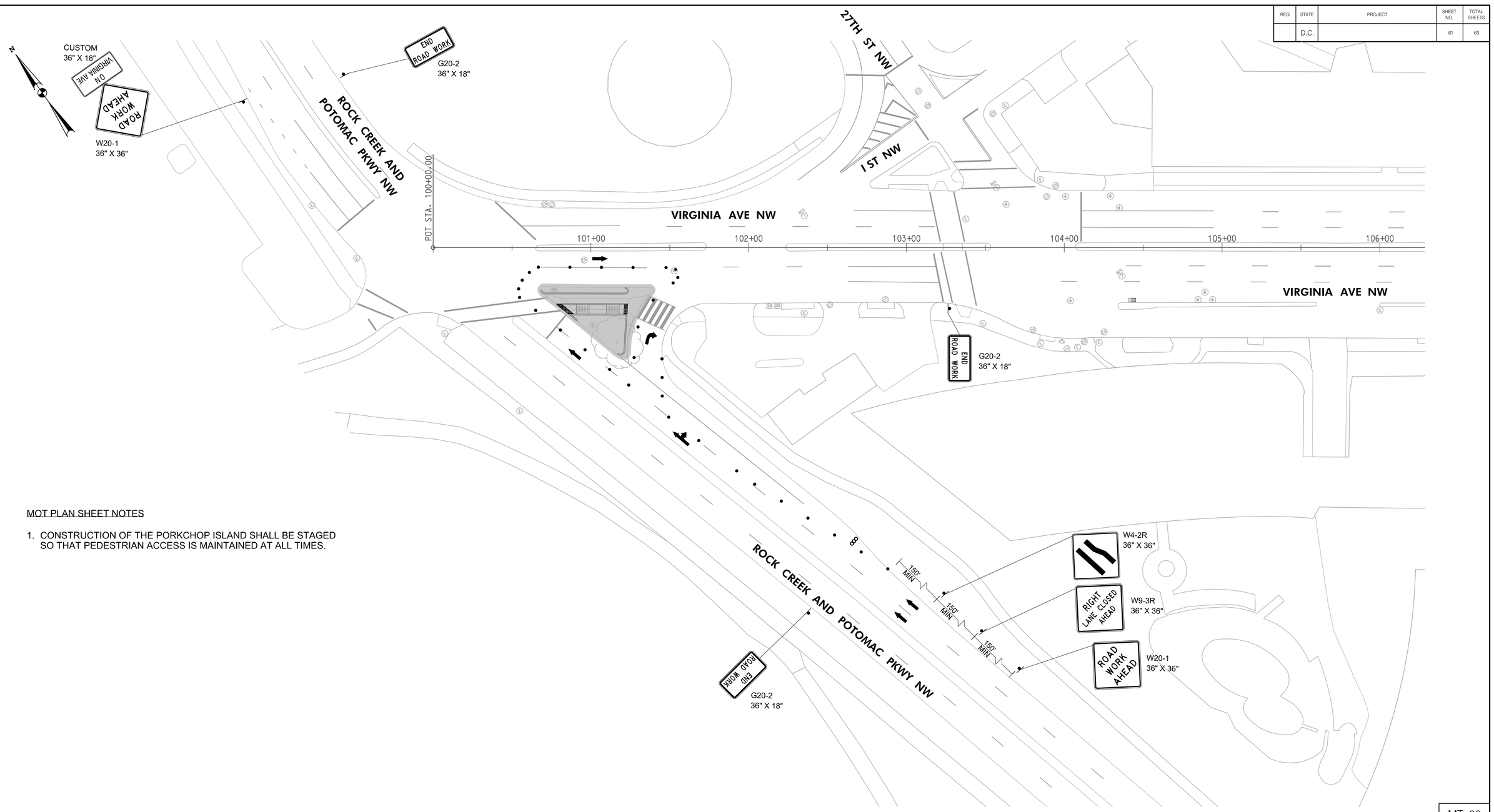
VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

PROJECT ENG. MWS
DESIGNED BY MWS
CHECKED BY GAB
DRAWN BY MWS
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 60 OF 65

MAINTENANCE OF TRAFFIC DETAILS

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		61	65



MOT PLAN SHEET NOTES

1. CONSTRUCTION OF THE PORKCHOP ISLAND SHALL BE STAGED SO THAT PEDESTRIAN ACCESS IS MAINTAINED AT ALL TIMES.

MAINTENANCE OF TRAFFIC LEGEND

TRAFFIC DRUM	•
WORK AREA	
TRAFFIC FLOW	
TYPE III BARRICADE	
ARROW PANEL	

MOT GENERAL NOTES

1. BUFFERS SHALL BE 55 FEET PER TABLE 4-1 OF THE DC TEMPORARY TRAFFIC CONTROL MANUAL 2006.
2. TAPERS SHALL BE 105 FEET PER TABLE 4-2 OF THE DC TEMPORARY TRAFFIC CONTROL MANUAL 2006.
3. CHANNELIZING DEVICES SHALL BE SPACED WITH TYPICAL SPACING OF 20' IN TRANSITIONS AND CURVES, AND 40' PARALLEL TO THE TRAVELED WAY PERTABLE 7-2 OF THE DC TEMPORARY TRAFFIC CONTROL MANUAL 2006. DRUM SPACING SHALL BE TIGHTENED AT CORNERS AND OTHER POTENTIAL CONFLICT ZONES AS SHOWN ON THE PLANS.

30' 0 30' 60'
SCALE: 1"=30'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

MAINTENANCE OF TRAFFIC PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 61 OF 65

MT–03

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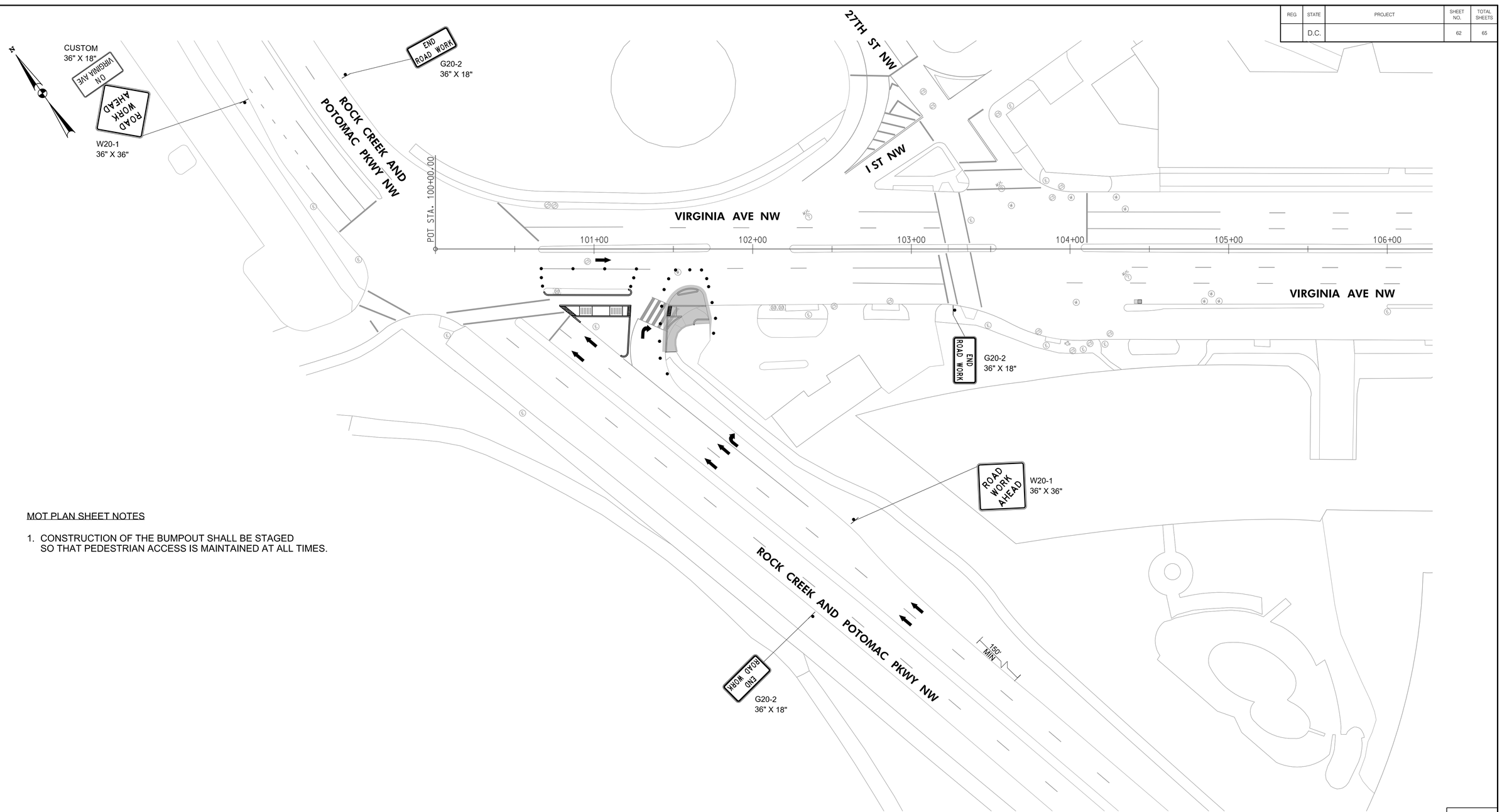
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		62	65



MOT PLAN SHEET NOTES

1. CONSTRUCTION OF THE BUMPOUT SHALL BE STAGED SO THAT PEDESTRIAN ACCESS IS MAINTAINED AT ALL TIMES.

MAINTENANCE OF TRAFFIC LEGEND

TRAFFIC DRUM	•
WORK AREA	
TRAFFIC FLOW	
TYPE III BARRICADE	
ARROW PANEL	

MOT GENERAL NOTES

1. BUFFERS SHALL BE 55 FEET PER TABLE 4-1 OF THE DC TEMPORARY TRAFFIC CONTROL MANUAL 2006.
2. TAPERS SHALL BE 105 FEET PER TABLE 4-2 OF THE DC TEMPORARY TRAFFIC CONTROL MANUAL 2006.
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30' 0 30' 60'
SCALE: 1"=30'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

MT–04

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

MAINTENANCE OF TRAFFIC PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 62 OF 65

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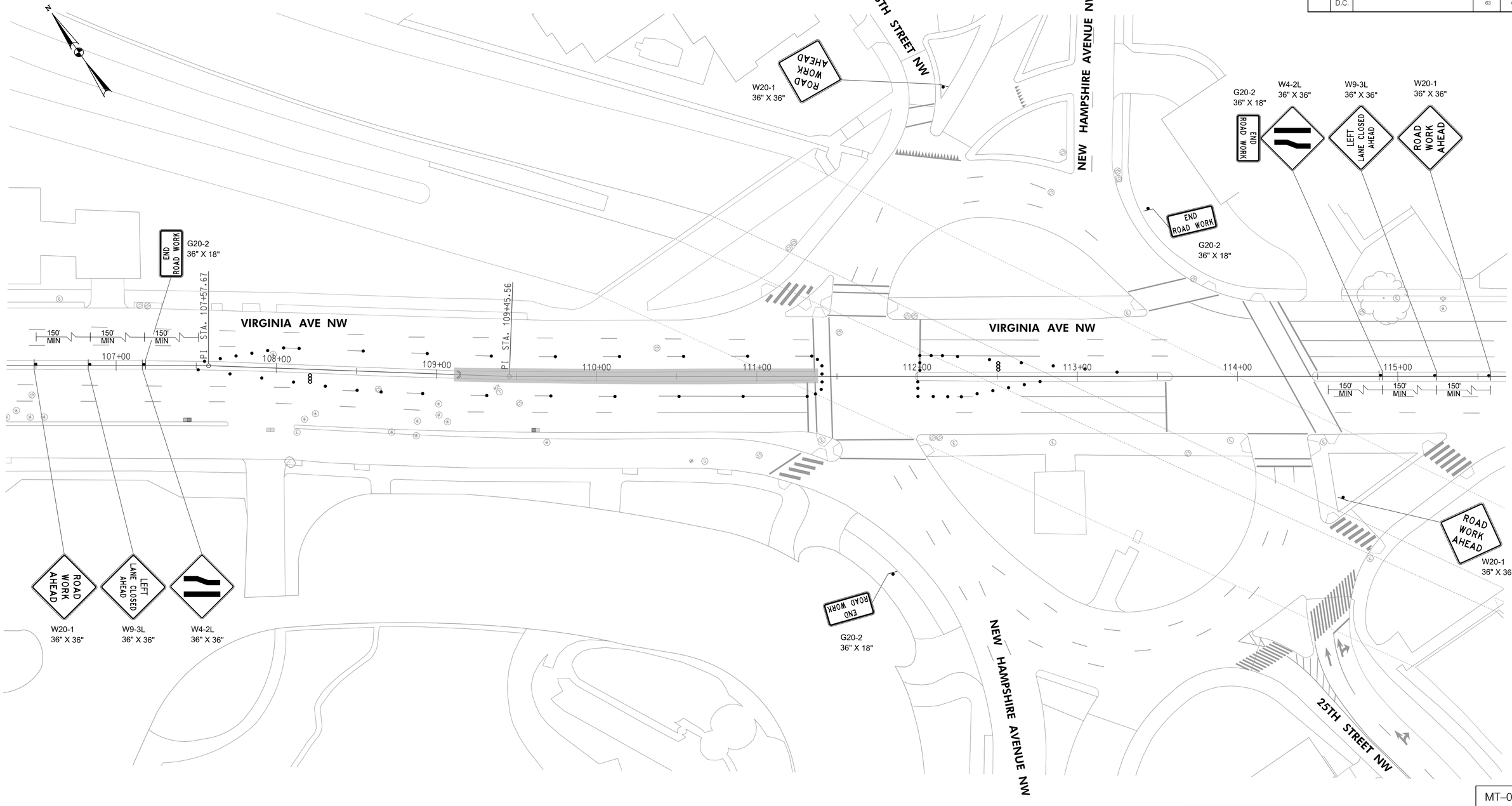
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		63	65



MT–05

MAINTENANCE OF TRAFFIC LEGEND

TRAFFIC DRUM	•
WORK AREA	
TRAFFIC FLOW	
TYPE III BARRICADE	
ARROW PANEL	

MOT GENERAL NOTES

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30' 0 30' 60'
SCALE: 1"=30'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

MAINTENANCE OF TRAFFIC PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 63 OF 65

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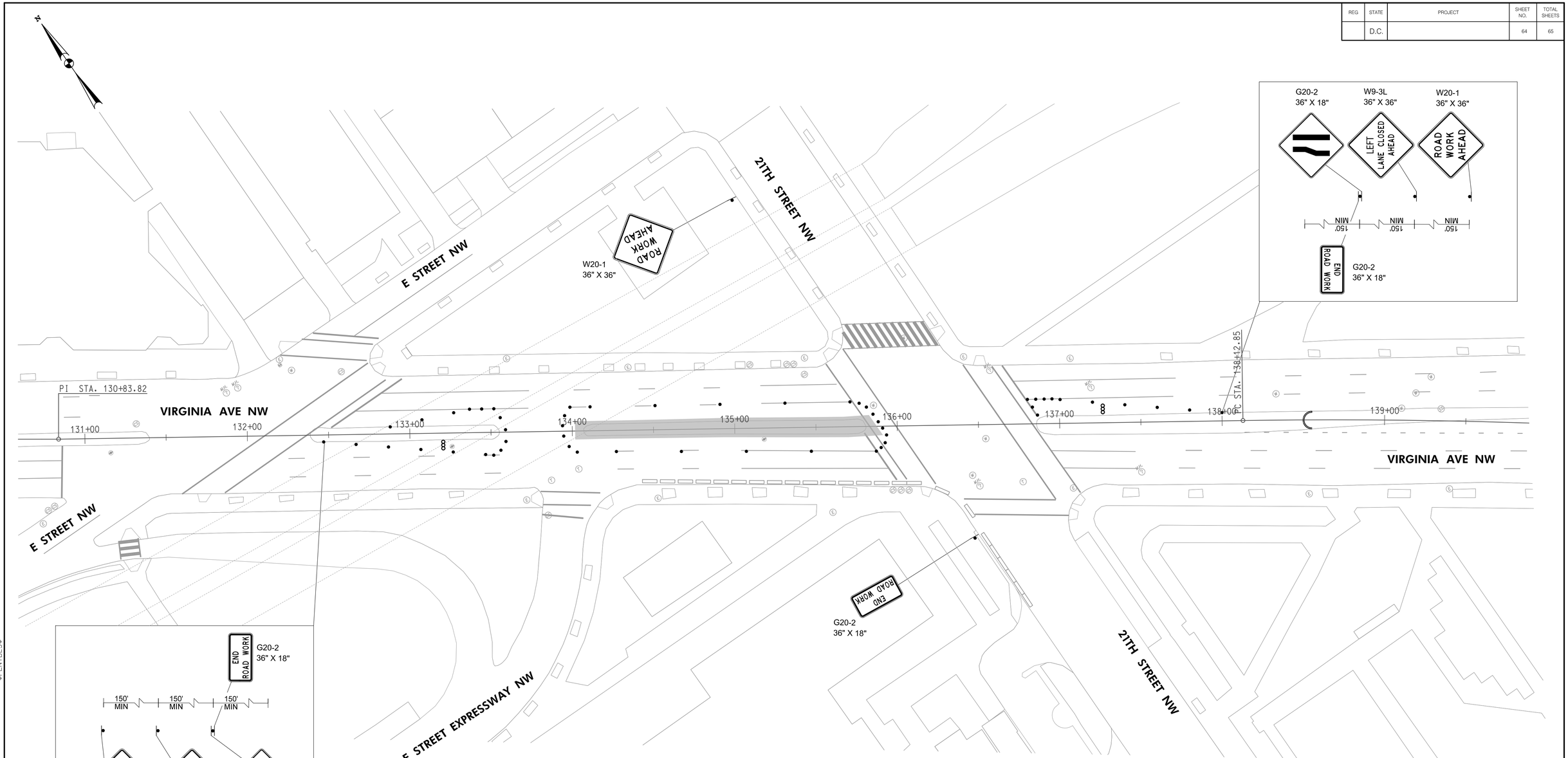
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.		64	65



MAINTENANCE OF TRAFFIC LEGEND

TRAFFIC DRUM	•
WORK AREA	
TRAFFIC FLOW	
TYPE III BARRICADE	
ARROW PANEL	

MOT GENERAL NOTES

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100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

MT–06

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

MAINTENANCE OF TRAFFIC PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 64 OF 65

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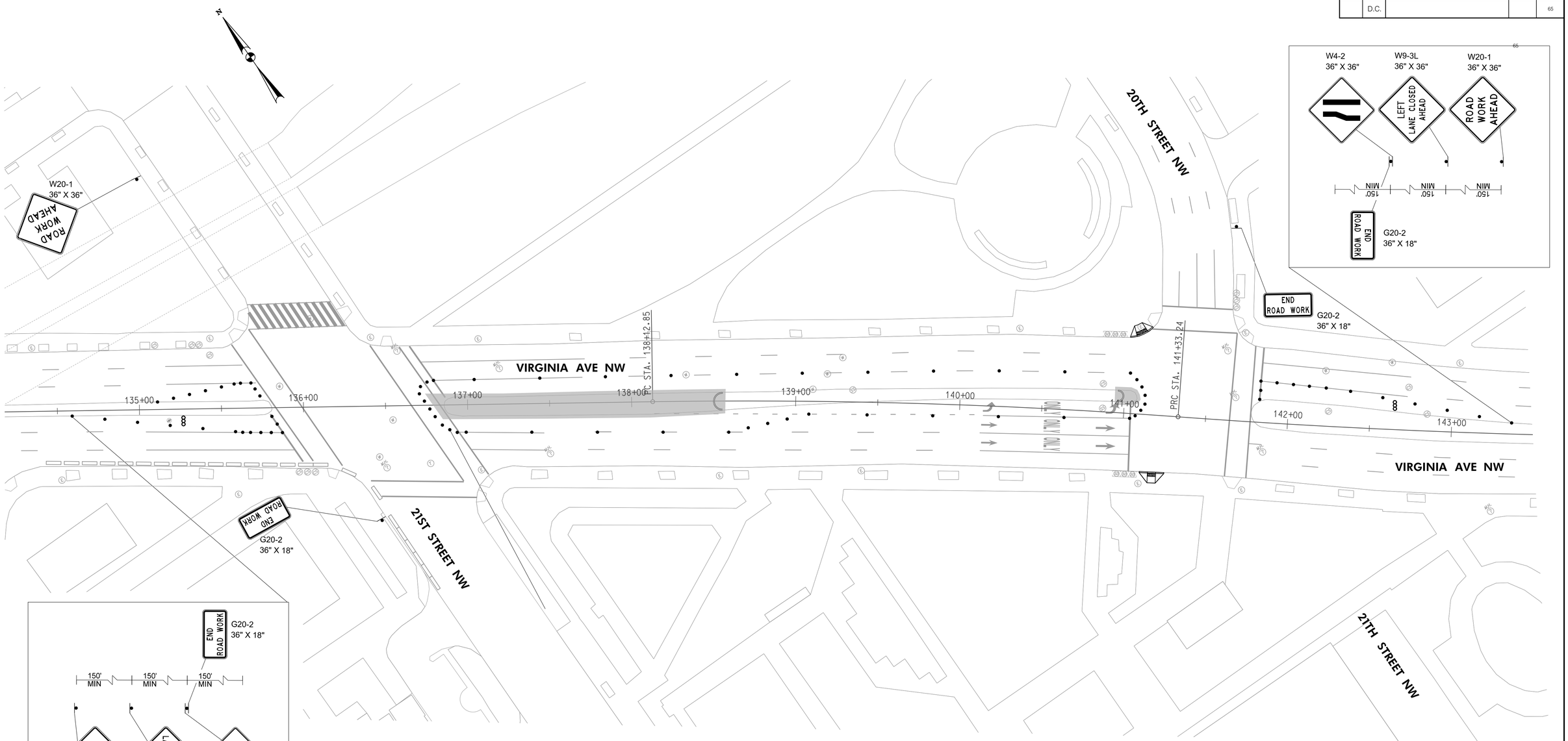
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	D.C.			65



MAINTENANCE OF TRAFFIC LEGEND

TRAFFIC DRUM	•
WORK AREA	
TRAFFIC FLOW	
TYPE III BARRICADE	
ARROW PANEL	

MOT GENERAL NOTES

1. BUFFERS SHALL BE 55 FEET PER TABLE 4-1 OF THE DC TEMPORARY TRAFFIC CONTROL MANUAL 2006.
2. TAPERS SHALL BE 105 FEET PER TABLE 4-2 OF THE DC TEMPORARY TRAFFIC CONTROL MANUAL 2006.
3. CHANNELIZING DEVICES SHALL BE SPACED WITH TYPICAL SPACING OF 20' IN TRANSITIONS AND CURVES, AND 40' PARALLEL TO THE TRAVELED WAY PERTABLE 7-2 OF THE DC TEMPORARY TRAFFIC CONTROL MANUAL 2006. DRUM SPACING SHALL BE TIGHTENED AT CORNERS AND OTHER POTENTIAL CONFLICT ZONES AS SHOWN ON THE PLANS.

30' 0 30' 60'
SCALE: 1"=30'

100% SUBMISSION
NOT FOR CONSTRUCTION
MARCH 30, 2021

NO.	DESCRIPTION	NAME	DATE

REVISIONS

MT–07

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

VIRGINIA AVENUE
FROM 18TH STREET, N.W.,
TO ROCK CREEK PKWY, N.W.

MAINTENANCE OF TRAFFIC PLAN

PROJECT ENG. MWS
DESIGNED BY GIF/MEC
CHECKED BY GAB/MWS
DRAWN BY GIF/MEC
PROJECT MGR. GAB

DIVISION CHIEF
DATE
FILE
SHEET 65 OF 65

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Tuesday, March 30, 2021 AT 08:06 PM $PLTDRVS$